

NAF

USER PRODUCT

CODES

FOR THE USE IN THE
STANDARD NAF AUTOMATED
CONTRACTING SOFTWARE SYSTEM
(SNACS)

June 2003

NAF USER PRODUCT CODES

13 - Ammunitions and Explosives

- 1305 Ammunition, through 30 mm
- 1370 Pyrotechnics (Fireworks)
- 1395 Miscellaneous ammunition

15 - Aircraft and Airframe Structural Components

- 1510 Aircraft, fixed wing
- 1520 Aircraft, rotary wing
- 1540 Gliders
- 1560 Airframe structural components

16 - Aircraft Components and Accessories

- 1610 Aircraft propellers & components
- 1615 Helicopter rotor blades, drive mechanisms and components
- 1620 Aircraft landing gear components
- 1630 Aircraft wheel & brake systems
- 1650 Aircraft hydraulic, vacuum and de-icing system components
- 1660 Aircraft air conditioning, heating and pressurizing equipment
- 1670 Parachutes; aerial pick-up, delivery, recovery systems & cargo tie down equipment
- 1680 Miscellaneous aircraft accessories & components

19 - Ships, Small Craft, Pontoons, and Floating Docks

- 1925 Special service vessels
- 1940 Small craft and jet skis
- 1945 Pontoons & floating docks
- 1950 Floating dry-docks
- 1990 Miscellaneous vessels

20 - Ship and Marine Equipment

- 2010 Ship & boat propulsion components
- 2020 Rigging & rigging gear
- 2030 Deck machinery
- 2040 Marine hardware & hull items
- 2050 Buoys
- 2060 Commercial fishing equipment
- 2090 Miscellaneous ship & marine equipment

23 - Ground Effect Vehicles, Motor Vehicles, Trailers, and Cycles

- 2305 Ground effect vehicles, golf carts, trucksters, mules
- 2310 Passenger motor vehicles
- 2320 Trucks & truck tractors wheeled
- 2330 Trailers
- 2340 Motorcycles, motor scooters & bicycles

24 - Tractors

- 2410 Tractors, full track, low speed
- 2420 Tractors, wheeled
- 2430 Tractors, full tracked, high speed

NAF USER PRODUCT CODES

25 - Vehicular Equipment Components

- 2510 Vehicular cab, body & frame structural components
- 2520 Vehicular power transmission components
- 2530 Vehicular brake, steering, axle, wheel and track components
- 2540 Vehicular furniture & accessories
- 2590 Miscellaneous vehicular components

26 - Tires and Tubes

- 2610 Tires & tubes, pneumatic except aircraft
- 2620 Tires & tubes, pneumatic aircraft
- 2630 Tires, solid & cushion
- 2640 Tires rebuilding and tire and tube repair materials

28 - Engines, Turbines, and Components

- 2805 Gasoline reciprocating engines, except aircraft; and components
- 2810 Gasoline reciprocating engines, aircraft prime mover; and components
- 2815 Diesel engines & components
- 2820 Steam engines, reciprocating & components
- 2825 Steam turbines & components
- 2830 Water turbines, water wheels & components
- 2835 Gas turbines & jet engines; non-aircraft prime mover, aircraft non-prime mover and components
- 2840 Gas turbines & jet engines, aircraft, prime moving; and components
- 2850 Gasoline rotary engines & components
- 2895 Miscellaneous engines & components

29 - Engine Accessories

- 2910 Engine fuel system components, non-aircraft
- 2915 Engine fuel system components, aircraft & missile prime movers
- 2920 Engine electrical system components, non-aircraft
- 2925 Engine electrical system components, aircraft prime moving
- 2930 Engine cooling system components, non-aircraft
- 2935 Engine cooling system components, aircraft prime moving
- 2940 Engine air & oil filters, strainers and cleaners, non-aircraft
- 2945 Engine air & oil filters, cleaners, aircraft prime moving
- 2950 Turbo-supercharger and components
- 2990 Miscellaneous engine accessories, non-aircraft
- 2995 Miscellaneous engine accessories, aircraft

30 - Mechanical Power Transmission Equipment

- 3010 Torque converters & speed changers
- 3020 Gears, pulleys, sprockets & transmission chain
- 3030 Belting, drive belts, fan belts & accessories
- 3040 Miscellaneous power transmission equipment

31 - Bearings

- 3110 Bearings, antifriction, unmounted
- 3120 Bearings, plain, unmounted
- 3130 Bearings, mounted

NAF USER PRODUCT CODES

32 - Woodworking Machinery and Equipment

- 3210 Sawmill & planning mill machinery
- 3220 Woodworking machines
- 3230 Tools & attachments for woodwork machinery

34 - Metalworking Machinery

- 3405 Saws & filing machines
- 3408 Machining centers & way-type machines
- 3410 Electrical & ultrasonic erosion machines
- 3411 Boring machines
- 3412 Broaching machines
- 3413 Drilling & tapping machines
- 3414 Gear cutting & finishing machines
- 3415 Grinding machines
- 3416 Lathes
- 3417 Milling machines
- 3418 Planers & shapers
- 3419 Miscellaneous machine tools
- 3422 Rolling mills & drawing machines
- 3424 Metal heat treating & non-thermal treating equipment
- 3426 Metal finishing equipment
- 3431 Electric arc welding equipment
- 3432 Electric resistance welding equipment
- 3433 Gas welding, heat cutting & metalizing equipment
- 3436 Welding positioners & manipulators
- 3438 Miscellaneous welding equipment
- 3439 Miscellaneous welding, soldering & brazing supplies & accessories
- 3441 Bending & forming machines
- 3442 Hydraulic & pneumatic presses, power driven
- 3443 Mechanical presses, power driven
- 3444 Manual presses
- 3445 Punching & shearing machines
- 3446 Forging machinery & hammers
- 3447 Wire & metal ribbon-forming machines
- 3448 Riveting machines
- 3449 Miscellaneous secondary metal forming & cutting machines
- 3450 Machine tools, portable
- 3455 Cutting tools for machine tools
- 3456 Cutting & forming tools for secondary metalworking machinery
- 3460 Machine tool accessories
- 3461 Accessories for secondary metalworking machinery
- 3465 Production jigs, fixtures & template
- 3470 Machine shop sets, kits & outfits

35 - Service & Trade Equipment

- 3510 Laundry & dry cleaning equipment
- 3520 Shoe repairing equipment
- 3530 Industrial sewing machines; mobile shoe repair shops
- 3540 Wrapping & packaging machinery
- 3550 Vending & coin operated machinery, amusement machine
- 3590 Miscellaneous service & trade equipment

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36 - Special Industry Machinery

- 3605 Food products machinery & equipment
- 3610 Printing, duplicating & bookbinding equipment
- 3611 Industrial marking machines
- 3645 Leather Tanning and Leather Working Industries Machinery

37 - Agricultural Machinery and Equipment

- 3710 Soil preparation equipment
- 3720 Harvesting equipment
- 3730 Dairy, poultry & livestock equipment
- 3740 Pest, disease & frost control equipment
- 3750 Gardening implements & tools
- 3770 Saddlery, harness, whips & related animal furnishings

38 - Construction, Mining, Excavating, and Highway Maintenance Equipment

- 3805 Earth moving & excavating equipment
- 3810 Cranes & crane-shovels
- 3815 Crane & crane-shovel attachments
- 3825 Road clearing, cleaning & marking equipment
- 3830 Truck & tractor attachments
- 3895 Miscellaneous construction equipment

39 - Materials Handling Equipment

- 3910 Conveyors
- 3915 Materials feeders
- 3920 Material handling equipment, non self-propelled
- 3930 Warehouse trucks & tractors, self-propelled
- 3940 Blocks, tackle, rigging & slings
- 3950 Winches, hoists, cranes & derricks
- 3960 Freight elevators
- 3990 Miscellaneous materials handling equipment

40 - Rope, Cable, Chain, and Fittings

- 4010 Chain & wire rope
- 4020 Fiber rope, cordage & twine
- 4030 Fittings for rope cable & chain

41 - Refrigeration, Air Conditioning and Air Circulating Equipment

- 4110 Refrigeration equipment
- 4120 Air conditioning equipment
- 4130 Refrigeration & air conditioning components
- 4140 Fans, air circulators & blower equipment
- 4150 Vortex tubes and other related cooling tubes

42 - Fire Fighting, Rescue, and Safety Equipment

- 4210 Fire fighting equipment
- 4220 Marine lifesaving & diving equipment
- 4235 Hazardous material spill containment and clean-up equipment and material
- 4240 Safety & rescue equipment
- 4250 Recycling and reclamation equipment

NAF USER PRODUCT CODES

43 - Pumps and Compressors

- 4310 Compressors & vacuum pumps
- 4320 Power & hand pumps
- 4330 Centrifugals, separators & pressure and vacuum filters

45 - Plumbing, Heating, and Waste Disposal Equipment

- 4510 Plumbing fixtures & accessories
- 4520 Space and water heating equipment
- 4530 Fuel burning equipment units
- 4540 Waste disposal equipment

49 - Maintenance and Repair Shop Equipment

- 4910 Motor vehicle maintenance & repair shop specialized equipment
- 4920 Aircraft maintenance & repair shop specialized equipment
- 4930 Lubrication & fuel dispensing equipment
- 4940 Miscellaneous maintenance & repair shop specialized equipment

51 - Hand Tools

- 5110 Hand tools, edged, non-powered
- 5120 Hand tools, non-edged, non-powered
- 5130 Hand tools, power driven
- 5133 Drill bits, counter bores & countersinks: hand & machine
- 5136 Taps, dies & collets: hand & machine
- 5140 Tool & hardware boxes
- 5180 Sets, kits & outfits of hand tools

52 - Measuring Tools

- 5210 Measuring tools, craftsmen's
- 5220 Inspection gages & precision layout tools
- 5280 Sets, kits & outfits of measuring tools

53 - Hardware and Abrasives

- 5305 Screws
- 5306 Bolts
- 5307 Studs
- 5310 Nuts & washers
- 5315 Nails, machine keys & pins
- 5320 Rivets
- 5325 Fastening devices
- 5330 Packing & gasket materials
- 5335 Metal screening
- 5340 Hardware, commercial
- 5341 Brackets
- 5345 Disks & stones, abrasive
- 5350 Abrasive materials
- 5355 Knobs & pointers
- 5360 Coil, flat, leaf & wire springs
- 5365 Bushings, rings, shims & spacers

NAF USER PRODUCT CODES

54 - Prefabricated Structures and Scaffolding

- 5410 Prefabricated & portable buildings
- 5411 Rigid wall shelters
- 5419 Collective modular support system
- 5420 Bridges, fixed & floating
- 5430 Storage tanks
- 5440 Scaffolding equipment & concrete forms
- 5445 Prefabricated tower structures
- 5450 Miscellaneous prefabricated structures

55 - Lumber, Millwork, Plywood, and Veneer

- 5510 Lumber & related basic wood materials
- 5520 Millwork
- 5530 Plywood & veneer

56 - Construction and Building Materials

- 5610 Mineral construction materials, bulk
- 5620 Tile, brick & block
- 5630 Pipe & conduit, non-metallic
- 5640 Wallboard, thermal insulation materials, wall covering, ceiling tile
- 5650 Roofing & siding materials
- 5660 Fencing, fences, gates & components
- 5670 Building components, prefabricated
- 5675 Non-wood construction lumber & related materials
- 5680 Miscellaneous construction materials

58 - Communications, Detection and Coherent Radiation Equipment

- 5805 Telephone & telegraph equipment
- 5810 Communications security equipment & components
- 5815 Teletype & facsimile equipment
- 5825 Radio navigation equipment, except airborne
- 5830 Intercommunication & public address systems, except airborne
- 5835 Sound recording & reproducing equipment
- 5836 Video recording and reproducing equipment
- 5841 Radar equipment, airborne

59 - Electrical and Electronic Equipment Components

- 5905 Resistors
- 5910 Capacitors
- 5915 Filters & networks
- 5920 Fuses, arrestors, absorbers & protectors
- 5925 Circuit breakers
- 5930 Switches
- 5935 Connectors, electrical
- 5940 Lugs, terminals & terminal strips
- 5945 Relays & solenoids
- 5950 Coils & transformers
- 5963 Electronic modules
- 5965 Headsets, handset microphones & speakers
- 5970 Electrical insulators & insulating materials
- 5975 Electrical hardware & supplies
- 5977 Electrical contact brushes & electrodes

NAF USER PRODUCT CODES

- 5980 Opt electronic devices & associated hardware
- 5985 Antennas, wave-guides & related equipment
- 5995 Cable, Cord, and Wire Assemblies
- 5996 Amplifiers
- 5998 Electrical & electronic assemblies, boards, cards & associated hardware
- 5999 Miscellaneous electrical & electronic components

60 - Fiber Optics Materials and Components, Assemblies & Accessories

- 6010 Fiber optic conductors
- 6015 Fiber optic cables
- 6020 Fiber optic cable assembly & harnesses
- 6021 Fiber optic switches
- 6030 Fiber optic devices
- 6032 Fiber optic light sources & photo detectors
- 6035 Fiber optic light transfer & image transfer devices
- 6060 Fiber optic interconnectors
- 6070 Fiber optic accessories & supplies
- 6080 Fiber optic kits & sets
- 6099 Miscellaneous fiber optic components

61 - Electric Wire, and Power and Distribution Equipment

- 6105 Motors, electrical
- 6110 Electrical container equipment
- 6115 Generators & generator sets, electrical
- 6116 Fuel cell power units, components & accessories
- 6117 Solar electric power systems
- 6120 Transformers: distribution & power station
- 6125 Converters, electrical, rotating
- 6130 Converters, electrical, non rotating
- 6135 Batteries, non-rechargeable
- 6140 Batteries, rechargeable
- 6145 Wire & cable, electrical
- 6150 Miscellaneous electric power & distribution equipment
- 6160 Miscellaneous battery retaining fixtures & liners

62 - Lighting Fixtures and Lamps

- 6210 Indoor & outdoor electric lighting fixtures
- 6220 Electrical vehicular lights & fixtures
- 6230 Electrical portable & hand lighting equipment
- 6240 Electric lamps
- 6250 Ballasts, lamp holders & starters
- 6260 Non-electrical lighting fixtures

63 - Alarm, Signal, and Detection Systems

- 6350 Miscellaneous alarm, signal and security detection systems

66 - Instruments and Laboratory Equipment

- 6605 Navigational instruments
- 6610 Flight instruments
- 6615 Auto pilot mechanisms & airborne gyro components
- 6620 Engine instruments

NAF USER PRODUCT CODES

- 6625 Electrical & electronic measuring & testing instruments
- 6630 Chemical analysis instruments
- 6635 Physical properties testing & inspection
- 6645 Time measuring instruments
- 6650 Optical instruments, test equipment, components & accessories
- 6665 Hazard-detecting instruments & apparatus
- 6670 Scales & balances
- 6675 Drafting, surveying & mapping instruments
- 6680 Liquid & gas flow, liquid level & mechanical motion measuring instruments
- 6685 Pressure, temperature & humidity measuring & controlling instruments
- 6695 Combination & miscellaneous instruments

67 - Photographic Equipment

- 6710 Cameras, motion picture
- 6720 Cameras, still picture
- 6730 Photographic projection equipment
- 6740 Photo developing & finishing equipment
- 6750 Photographic supplies
- 6760 Photographic equipment & accessories
- 6770 Film, processed
- 6780 Photographic sets, kits & outfits

68 - Chemicals and Chemical Products

- 6810 Chemicals
- 6820 Dyes
- 6830 Gases: compressed & liquefied
- 6840 Pest control agents & disinfectants
- 6850 Miscellaneous chemical specialties

70 - Automatic Data Processing Equipment (including Firmware), Software, Supplies & Support Equipment

- 7010 ADPE system configuration
- 7020 ADP central processing unit (CPU, computer), analog
- 7021 ADP central processing unit (CPU, computer), digital
- 7022 ADP central processing unit (CPU, computer), hybrid
- 7025 ADP input/output & storage devices
- 7030 ADP software
- 7035 ADP support equipment
- 7040 Punched card equipment
- 7042 Mini & microcomputer control devices
- 7045 ADP supplies
- 7050 ADP components

71 - Furniture

- 7105 Household furniture
- 7110 Office furniture
- 7125 Cabinets, lockers, bins & shelving
- 7195 Miscellaneous furniture & fixtures

NAF USER PRODUCT CODES

72 - Household and Commercial Furnishings and Appliances

- 7210 Household furnishings, wall art
- 7220 Floor coverings
- 7230 Draperies awnings & shades
- 7240 Household & common utility containers
- 7290 Miscellaneous household & commercial furnishings & appliances, hair dryer

73 - Food Preparation and Serving Equipment

- 7310 Food cooking, baking serving equipment
- 7320 Kitchen equipment & appliances, coffee pot, microwave oven
- 7330 Kitchen hand tools & utensils
- 7340 Cutlery & flatware
- 7350 Tableware
- 7360 Sets, kits, outfits & modules, food preparation & serving

74 - Office Machines, Text Processing Systems & Visible Record Equipment

- 7420 Accounting & calculating machines
- 7430 Typewriters & office type composing machines
- 7435 Office information system equipment
- 7450 Office type sound recording & reproducing machines
- 7460 Visible record equipment
- 7490 Miscellaneous office machines

75 - Office Supplies and Devices

- 7510 Office supplies
- 7520 Office devices & accessories
- 7530 Stationery & record forms
- 7540 Standard forms

76 - Books, Maps, and Other Publications

- 7610 Books & pamphlets
- 7630 Newspapers & periodicals
- 7640 Maps, atlases, charts & globes
- 7641 Aeronautical maps, charts & geodetic products
- 7642 Hydrographic maps, charts & geodetic products
- 7643 Topographic maps, charts & geodetic products
- 7644 Digital maps, charts & geodetic products
- 7650 Drawings & specifications
- 7660 Sheet & book music
- 7670 Microfilm, processed
- 7690 Miscellaneous printed matter

77 - Musical Instruments, Phonographs, and Home-Type Radios

- 7710 Musical instruments
- 7720 Musical instrument parts & accessories
- 7730 Phonographs, radios & television sets: home type
- 7740 Phonograph records

78 - Recreational and Athletic Equipment

- 7810 Athletic & sporting equipment

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- 7820 Games, toys & wheeled goods
- 7830 Recreational & gymnastic equipment

79 - Cleaning Equipment and Supplies

- 7910 Floor polishers & vacuum cleaning equipment
- 7920 Brooms, brushes, mops & sponges
- 7930 Cleaning & polishing compounds & preparations

80 - Brushes, Paints, Sealers, and Adhesives

- 8010 Paints, dopes, varnishes & related products
- 8020 Paint & artists' brushes
- 8030 Preservative & sealing compounds
- 8040 Adhesives

81 - Containers, Packaging, and Packing Supplies

- 8105 Bags & sacks
- 8110 Drums & cans
- 8115 Boxes, cartons & crates
- 8120 Commercial & industrial gas cylinders
- 8125 Bottles & jars
- 8130 Reels & spools
- 8135 Packaging & packing bulk materials
- 8145 Specialized shipping & storage containers

83 - Textiles, Leather, Furs, Apparel and Shoes, Tents, Flags

- 8305 Textile fabrics
- 8310 Yarn & thread
- 8315 Notions & apparel findings
- 8320 Padding & stuffing materials
- 8325 Fur materials
- 8330 Leather
- 8335 Shoe findings & soling materials
- 8340 Tents & tarpaulins
- 8345 Flags & pennants

84 - Clothing, Individual Equipment, and Insignia

- 8405 Outerwear, men's
- 8410 Outerwear, women's
- 8415 Clothing, special purpose
- 8420 Underwear & nightwear, men's
- 8425 Underwear & nightwear, women's
- 8430 Footwear, men's
- 8435 Footwear, women's
- 8440 Hosiery, hand wear & clothing accessories, men's
- 8445 Hosiery, hand wear & clothing accessories, women's
- 8450 Children's & infants' apparel & accessories
- 8455 Badges & insignia
- 8460 Luggage
- 8465 Individual equipment

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85 - Toiletries

- 8510 Perfumes, toilet preparations & powders
- 8520 Toilet soap, shaving preparations & dentifrices
- 8523 Misc toiletries
- 8525 Hangers, iron and ironing boards
- 8530 Personal toiletry articles
- 8540 Toiletry paper products

87 - Agricultural Supplies

- 8710 Forage & feed
- 8720 Fertilizers
- 8730 Seeds & nursery stock

88 - Live Animals

- 8820 Live animals, not raised for food

89 - Subsistence

- 8905 Meat, poultry & fish
- 8910 Dairy foods & eggs
- 8915 Fruits & vegetables
- 8920 Bakery & cereal products
- 8925 Sugar, confectionery & nuts
- 8930 Jams, jellies & preserves
- 8935 Soups & bouillons
- 8940 Special dietary food & food specialty preparations
- 8945 Foods, oils & fats
- 8950 Condiments & related products
- 8955 Coffee, tea & cocoa
- 8960 Beverages, nonalcoholic
- 8965 Beverages, alcoholic
- 8970 Composite food packages
- 8975 Tobacco products

91 - Fuels, Lubricants, Oils, and Waxes

- 9110 Fuels, solid
- 9130 Liquid propellants & fuels, petroleum base
- 9135 Liquid propellant fuels & oxidizers, chemical base
- 9140 Fuel oils
- 9150 Oil & greases: cutting, lubricating & hydraulic
- 9160 Miscellaneous waxes, oils & fats

93 - Nonmetallic Fabricated Materials

- 9310 Paper & paperboard
- 9340 Glass fabricated materials
- 9390 Miscellaneous fabricated nonmetal materials

95 – Metal Bars, Sheets, and Shapes

- 9505 Wire, Non-electrical

NAF USER PRODUCT CODES

99 - Miscellaneous

- 9905 Signs, advertising displays, banners, lapel pins, promo items
- 9910 Jewelry
- 9915 Collectors' and/or historical items
- 9920 Smokers' articles & matches
- 9925 Ecclesiastical equipment, furnishings & supplies
- 9930 Memorials: cemetary & mortuary equipment & supplies

NAF USER PRODUCT CODES

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PRODUCT CODE DESCRIPTION

GROUP 13 Ammunition and Explosives

Note-Excluded from this group are items specially designed for nuclear ordnance application.

- 1305 Ammunition, through 30 mm
Includes Components.
- 1370 Pyrotechnics
Includes Flares; Signals; Fireworks; Pistol Rocket Signals.
Excludes Pyrotechnic Cartridges and Projectiles; Photoflash Bombs; Pyrotechnic Rockets
- 1395 Miscellaneous Ammunition
Includes Ammunition Shapes, such as Blanks, Disks, Slugs, Cups, and Rotating Bands (Shell Bands)

GROUP 15 Aircraft and Airframe Structural Components

- 1510 Aircraft, Fixed Wing
Note-This class includes only complete aircraft. End items, assemblies, parts, attachments, or accessories for use in or on fixed wing aircraft are classified in classes other than this class.
- 1520 Aircraft, Rotary Wing
Note-This class includes only complete aircraft. End items, assemblies, parts, attachments, or accessories for use in or on rotary wing aircraft are classified in classes other than this class.
Includes Helicopters
- 1540 Gliders
Note-This class includes only complete gliders. End items, assemblies, parts, attachments, or accessories for use in or on gliders are classified in classes other than this class.
Includes Motorized Gliders
- 1560 Airframe Structural Components
Note-This class includes fabricated system parts that are permanently attached or peculiar to the integral airframe of an aircraft, such as support structural components, spar, ribs, ailerons, stabilizers, and bulkheads.
Includes Flight Control Surfaces; Internal and External Auxiliary Fuel Tanks; Exhaust Systems; Pylons, Trim Tabs; Aircraft.
Excludes Fitted Covers; Helicopter Rotor Brake System Components; Aircraft Loose Equipment and Alternate Mission Configuration Equipment stored on board the aircraft.

GROUP 16 Aircraft Components and Accessories

- 1610 Aircraft Propellers and Components
Includes Aircraft Propellers; Propeller Blades, Cams, Cones, Hubs, Nuts, and Spinners; Test Clubs; Synchronizers; Power Control Units; Integral Oil Control Measures and Propeller Governors.
Excludes Rotary Rudder and Rotary Wing Blades (FSC 1615)

PRODUCT CODE DESCRIPTION

1615 Helicopter Rotor Blades, Drive Mechanisms and Components

Note-This class includes miscellaneous component parts specifically designed for, and used exclusively in, helicopter drive mechanisms and rotor blades when not specifically classified elsewhere in the FSC indexes.

Includes Helicopter dynamic components and specially designed parts that transmit power from the aircraft power plant to the rotary wing and rotary rudder. Also included in this class are Rotors; Blades; Rotor Blade, Trim, Tabs; Blade Sets; Yokes; Clutches and Transmissions.

Excludes Propellers (FSC 1610); Rotor Brake Systems Components (FSC 1630); Rotor Blade Hydraulic Folding System Components (FSC 1650); Hydraulic Servo System Components (FSC 1650).

1620 Aircraft Landing Gear Components

Includes Shock Struts and Components; Installation Elements, such as Torsion Bars, Vibration Links, Drag Struts; Landing Gear Trunions, Axles and Shimmy Dampeners; Specially designed hydraulic power steering system components.

Excludes Mounting Braces and Mounting Plates permanently installed on aircraft (FSC 1680); Landing Wheels, Skis, and Floats (FSC 1630); Wheel Brakes and Wheel Brake Cylinders (FSC 1630).

1630 Aircraft Wheel and Brake Systems

Includes Skis; Floats; Tracks; Landing Wheel Skid Detectors; Valves specifically designed for use with hydraulic or pneumatic wheel and brake systems; Helicopter Rotor Brake System Components.

Excludes Landing Gear Axles (FSC 1620).

1650 Aircraft Hydraulic, Vacuum, and De-icing System Components

Note-This class includes only those components specifically designed for aircraft use.

Includes Hydraulic and Pneumatic Accumulators, Pumps, Motors, Actuating Cylinders, and Filters; De-icing Boots; Fluid Type De-icing Pumps, Valves and Filters; Vacuum System Oil Separators; Pneumatic Pressurization Equipment other than that for pressurizing cabins and compartments.

Excludes Jet Engine Hydraulic Components (FSC 2840); Valves specifically designed for air conditioning, heating, ventilating, cabin pressurizing, and thermal de-icing (FSC 1660); Valves specifically designed for use with Aircraft Engines (FSC 2840); Guided Missiles and Guided Missile Engines (FSC 1338), Landing Gear (FSC 1620), Wheel and Brake System Components (FSC 1630); Oxygen Breathing System Components (FSC 1660); In-flight Refueling System Hydraulic components (FSC 1680); Specifically designed hydraulic power steering system components (FSC 1620).

1660 Aircraft Air Conditioning, Heating, and Pressurizing Equipment

Note-This class includes components specifically designed for use in aircraft air conditioning, heating, and pressurizing equipment. Also included are specially designed components of oxygen breathing systems used in aircraft.

Includes Cabin Supercharging Equipment; Canisters; Cylinder Assemblies; Masks; Fixed Oxygen System; Specially Designed Aircraft Valves; Cabin Pressure Regulators; Heat Exchangers; Air Expansion Turbines; Aircraft Heaters, Ventilating System Components; Air Conditioning and Heating Duct Assemblies; Thermal De-Icing Equipment; Cabin and Compartment Pressurizing Equipment; Air Diffusers; Cabin Pressure Selectors; Liquid Oxygen Converters.

Excludes Oxygen Pressure Signals and Warning Devices; Tubing; Ground Type Heaters and Coolers; Pressurizing Equipment other than that used for Cabin and Compartment Pressurization; Fluid De-Icing Equipment; Valves specifically designed for use with Aircraft Engines, Guided Missiles, and Guided Missile Engines.

PRODUCT CODE DESCRIPTION

- 1670 Parachutes; Aerial Pick Up, Delivery, Recovery Systems; and Cargo Tie Down Equipment
Note-Includes specifically designed items, sets, and systems for air-to-air, air-to-surface, and surface-to-air delivery, pick up, and recovery operations, unless parts, attachments, assemblies, for use in or on such systems (i.e., space vehicle aerial recovery systems) are specifically indexed to other classes of the FSC (i.e., Transmitting Radio Buoys and Direction Finding Subsystem Components).
Excludes Fitting Assemblies built into the aircraft structure.
- 1680 Miscellaneous Aircraft Accessories and Components
Includes Control Assemblies, Push-Pull; Brace, Positioning Cargo Ramp stowed on board; Cockpit Mounted Control Quadrants; Actuators, Electro-Mechanical and Mechanical; Ventilators; Relief Tubes; Map Holders; Aerial Glider Towing Accessories attached to Aircraft; Belts, Safety and Lap; Harness, Shoulder and Safety; Litter Attaching Supports; Electric Windshield Wipers; Aircraft Onboard Inert Gas Generators; Aircraft Furniture; Aircraft Mounted Winches and Hoists; In-Flight Refueling System Components, including Fuel Components; Aircraft Curtains; Cable Tension Regulators; Sun Visors; Rear-View Mirrors; Mechanical Transmissions, Gearboxes and Constant Speed drives Specially designed for aircraft.
Excludes Engine Mounted Control Assemblies; Fitted Covers, Aircraft Pylons; Helicopter Rotor Brake System Components; Helicopter Automatic Stabilization Equipment.

GROUP 19 Ships, Small Craft, Pontoons, and Floating Docks

Note – Only complete ships, small craft, floating docks, floating dry docks, and dredges (with or without hull) are classified in this group. End items, assemblies, parts, attachments or accessories for use in or on the above are classified in Group 20-Ship and Marine Equipment, unless other classes (outside of Group 19) are applicable.

- 1925 Special Service Vessels
Includes Tugs; Towboats; Fire Boats; Ice Breakers; Repair Ships; Tender Vessels (Buoy, Lighthouse, Destroyer); Lightships; Cable Ships; Salvage and Submarine Rescue Vessels.
Excludes Combat Vessels; Dredges
- 1940 Small Craft
Includes Powered and Unpowered Small Craft; Lifesaving Boats; Airplane Crash Boats; Reconnaissance Boats; Yachts; Pneumatic Boats
Excludes Fishing Craft Life Rafts, including Pneumatic; Bridge Floats and Pontoons
- 1945 Pontoons and Floating Docks
Includes Camels; Pontoon Stanchions; Pontoon Ramps
Excludes Floating Dry docks; Bridge Floats and Pontoons; Pontoon Hardware (Jewelry).
- 1950 Floating Dry docks
- 1990 Miscellaneous Vessels
Includes Commercial Sailing Vessels

PRODUCT CODE DESCRIPTION

GROUP 20 **Ship and Marine Equipment**

- 2010 Ship and Boat Propulsion Components
Includes Propulsion Shafts; Ship Propellers. Marine Transmissions, Reverse and Reduction Gear Type.
Excludes Engines (FSC 2810, 2815); Turbines (FSC 2825, 2835, 2840).
- 2020 Rigging and Rigging Gear
Includes Masts; Kingposts; Sail Booms; Ship borne Booms not attached to Cranes and Derricks.
Excludes Tackle Blocks.
- 2030 Deck Machinery
Includes Steering Gears and Controls; Boat Davits
- 2040 Marine Hardware and Hull Items
Includes Anchors; Grapnels; Sea Anchors; Watertight Doors; Ship Ventilators; Hatches; Manholes; Scuttles; Air Ports; Fenders; Sea Chests; Scuppers; Rudders; Stern Tubes; Chain Pipes; Hawse Pipes; Boiler Uptakes and Stacks; Chocks; Mast and Boom Fittings; Oars; Paddles; Oarlocks.
- 2050 Buoys
- 2060 Commercial Fishing Equipment
Excludes Fishing Vessels
- 2090 Miscellaneous Ship and Marine Equipment
Includes Sails; Chain Ladders; Rope Ladders; Marine Furniture

GROUP 23 **Ground Effect Vehicles, Motor** **Vehicles, Trailers, and Cycles**

- 2305 Ground Effect Vehicles – Golf Carts, Trucksters, Mules
- 2310 Passenger Motor Vehicles
Note-This class includes only complete passenger motor vehicles, and chassis therefore. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on passenger motor vehicles are classified in classes other than this class.
Includes Cars, Motor, Highway; Busses; Chassis, Passenger Motor Vehicle; hearses; Ambulances.
Excludes Amphibious Personnel Carriers; All Truck Chassis.
- 2320 Trucks and Truck Tractors, Wheeled
Note-This class includes only complete wheel mounted trucks and truck tractors, and chassis therefore. Any end items, assemblies, parts, attachments, or accessories other than complete chassis, for use in or on such trucks or truck tractors are classified in classes other than this class. The combined chassis and body of a special purpose truck, such as a machine shop, mobile laundry, or dental laboratory, is classified in this class. The complete mobile unit, consisting of chassis, body, and additional equipment, as in an equipped truck mounted machine shop, is excluded from this class.

PRODUCT CODE DESCRIPTION

Includes Panel, Delivery and Pick Up Trucks, Tactical and Administrative Military Cargo Carrying Vehicles, including Wheel Mounted Amphibian Vehicles; Truck Tractors and Trailer Combinations; Armored Cars.

Excludes Fire Trucks; Special Construction Type Earth and Rock Hauling Trucks; Motorized Air Compressors; Motorized Concrete Mixers; Construction Specialized Machinery Generally; Specially designed trucks for use in and around airfields, hangers, and warehouses; Trucked and Half tracked Vehicles.

2330 Trailers

Note-This class includes only complete trailers, and chassis therefore. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on trailers are classified in classes other than this class. The combined chassis and body of a special purpose trailer, such as a machine shop, mobile laundry, or dental laboratory, is classified in this class. The complete mobile unit, consisting of chassis, body, and additional equipment, as in an equipped trailer mounted machine shop, is excluded from this class.

Includes Semi-trailers; Semi-trailer Dollies; Cargo Trailers; Passenger and House Trailers; Special Purpose Trailers, such as Ammunition.

Excludes Fire Fighting Trailers; Special designed trailers for use in and around airfields, hangers, and warehouses.

2340 Motorcycles, Motor Scooters, and Bicycles

Note-This class includes only complete motorcycles, complete motor scooters, and complete bicycles. End items, assemblies, parts, attachments, or accessories for use in or on motorcycles, motor scooters, or bicycles are classified in classes other than this class.

Includes Sidecars; Tricycles

Excludes Children's Wheeled Goods

GROUP 24 Tractors

Note – This group includes only complete tractors and tractor chassis. Assemblies, subassemblies, parts, attachments or accessories are excluded from this group.

2410 Tractor, Full Tracked, Low Speed

Note-This class includes only complete low speed, full track tractors, and chassis. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on low speed, full track tractors, are classified in classes other than this class.

Excludes High Speed Tractors (FSC 2430); Armored Dozer-Scraper Combination Tractors (FSC 2350).

2420 Tractors, Wheeled

Note-This class includes only complete wheeled tractors, and chassis. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on wheeled tractors, are classified in classes other than this class.

Includes Agricultural Tractors; High Speed Tractors; Industrial Tractors.

Excludes Warehouse Tractors (FCS 3930).

2430 Tractors, Full Tracked, High Speed

Note-This class includes only complete high-speed track laying tractors, and chassis. Any end items, assemblies, parts, attachments, or accessories, other than complete chassis, for use in or on high-speed track laying tractors, are classified in classes other than this class.

Excludes Low Speed Tractor (FSC 2410);

PRODUCT CODE DESCRIPTION

GROUP 25 Vehicular Equipment Components

Note – The term “vehicular” as delimited for group 25, is applicable to those vehicles and tractors included in Groups 23 and 24, construction vehicles included in group 38, and warehouse tracks, tractors, and trailers included in group 39. It does not apply to aircraft (group 15). An item of supply, which is a “vehicular” component, within the scope delimited above, is classified in this group regardless of whether it has additional application on vehicles outside the delimitations for this group.

- 2510 Vehicular Cab, Body, and Frame Structural Components
Includes Leaf Type Vehicular Springs; Suspension Type Shock Absorbers.
Excludes Vehicular Hardware (FSG 53); Specialized Vehicular Furniture (FSC 2540).
- 2520 Vehicular Power Transmission Components
Includes Transfer Transmission Assemblies; Clutch Assemblies; Universal Joints; Propeller Shafts; Automotive Torque Converters; Power Takeoffs.
- 2530 Vehicular Brake, Steering, Axle, Wheel, and Track Components
Includes Turrent Brakes; Clutch Brakes, Tank Turret.
- 2540 Vehicular Furniture and Accessories
Includes Automobile Seat Covers; Shock Absorbers; Bumpers; Windshield Wipers; Bumper Guards; Mirrors, Rear View and Side View; Vehicle Heaters.
Excludes Speedometers (FSC 6680); Suspension Type Shock Absorbers (FSC 2510).
- 2590 Miscellaneous Vehicular Components

GROUP 26 Tires and Tubes

- 2610 Tires and Tubes, Pneumatic, Except Aircraft
Excludes Aircraft Pneumatic Tires and Tubes.
- 2620 Tires and Tubes, Pneumatic, Aircraft
- 2630 Tires, Solid and Cushion
Includes Rubber Track Laying Threads
- 2640 Tire Rebuilding and Tire and Tube Repair Materials
Includes Tread Gum; Cold Patches; Friction Cord Fabric; Vulcanizing Patches; Padding Stock; Quick-Cure Gum; Tire and Tube Repair Kits; Camelback; Valves; Valve Cores.
Excludes Vulcanizing Machinery and Equipment.

GROUP 28 Engines, Turbines, and Components

- 2805 Gasoline Reciprocating Engines, Except Aircraft; and Components
Includes Gas Reciprocating Engines; All Gasoline Reciprocating Engines except Aircraft Prime Moving.
Excludes Engine Accessories (FSC 2990).

PRODUCT CODE DESCRIPTION

- 2810 Gasoline Reciprocating Engines, Aircraft Prime Mover; and Components
Note- Engines and components classified in this FSC must be designed specifically for use as/on an aircraft prime mover. Auxiliary engines and their components will be classified in the appropriate FSC elsewhere in FSG 28.
Includes Complete Engine Assemblies; Piston Rings; Cylinders; Pistons; Camshafts; Crankshafts.
Excludes Fuel System Components (Carburetors; Carburetor Floats; Fuel Pumps; fuel Controls; Fuel Valves) (FSC 2915; Electrical System Components (Spark Plug Adapter; Ignition Distributors; Ignition Coils, Electrical Starters) (FSC 2925); Engine Cooling System Components (Engine Oil Coolers; Cooling Radiators)(FSC 2935); Engine Air/Oil Cleaners/Filters/Strainer (FSC 2945); Miscellaneous Engine Accessories (Pneumatic Starters, Cowling Mounts, Control Assemblies) (FSC 2995).
- 2815 Diesel Engines and Components
Includes Automotive, Industrial, Marine, Locomotive, and all other types of Diesel and Semi-Diesel Engines.
Excludes Engines Accessories (FSC 2990).
- 2820 Steam Engines, Reciprocating; and Components
- 2825 Steam Turbines and Components
Includes Mercury Vapor Turbines
- 2830 Water Turbines and Water Wheels; and Components
- 2835 Gas Turbines and Jet Engines; Non-Aircraft Prime Mover, Aircraft Non-Prime Mover, and Components
Note- Engines and Components classified in this FSC are primarily for use on non-aircraft prime mover (e.g., Naval ship applications), aircraft non-prime mover (e.g., airframe mounted auxiliary power units), and for aircraft ground support equipment (e.g., start carts).
Includes Airflow Defectors; Combustion Chambers, Compressors, Turbines, Accessory Gear Boxes and their Components.
Excludes Components for Gas Turbines and Jet Engines, Aircraft Prime Mover (FSC 2840); Engine Fuel Systems (FSC 2910); Engine Electrical Systems (FSC 2920); Engine Cooling Systems (FSC 2930); Engine Air/Oil Cleaners/Filters/Strainers (FSC 2940);Engine Accessories (Air Duct Heaters, Engine Mounted Control Assemblies) (FSC 2990).
- 2840 Gas Turbines and Jet Engines, Aircraft, Prime Moving; and Components
Note- Engines and Components classified in this FSC are intended for use as/on aircraft and/or guided missile prime movers.
Includes Compressor and Turbine Rotors; Blades; Combustion Chamber; Accessory Gear Box; Afterburner; Exhaust Cone; Reservoirs, Hydraulic; Tank, Oil.
Excludes Oil, Air, Anti-icing, and Hydraulic Regulators, Valves, and Pumps specially designed for Gas Turbines and Jet Engines (FSC 2995); Control Assemblies, Push-Pull (FSC 2995); Engine Mounted Control Assemblies (FSC 2995); Fuel System Components (FSC 2915); Engine Electrical System Components (FSC 2925); Engine Cooling System Components (FSC 2935); Engine Air/Oil Cleaner/Filter/Strainers (FSC 2945).
- 2850 Gasoline Rotary Engines and Components
- 2895 Miscellaneous Engines and Components
Includes Wind and Compressed Air Engines.

PRODUCT CODE DESCRIPTION

GROUP 29 Engine Accessories

Note – Unless specifically excluded, engine accessories for all vehicles, such as aircraft, motor vehicles, ships, tractors, and construction vehicles, as well as accessories for stationary engines, are classified in this Group.

- 2910 Engine Fuel System Components; Non aircraft
Includes Carburetors; Fuel Pumps; Engine Fuel Filters; Fuel Tanks; Components for all engines except Aircraft and Guided Missile Prime Moving.
- 2915 Engine Fuel System Components, Aircraft and Missile Prime Movers
Note- Fuel components specially designed for propulsion fuel systems, aircraft and missiles are to be placed in this FSC.
Includes Carburetors; Fuel Pumps; Engine Fuel Filters; Fuel Controls, Jet Engine; Fuel Primers; Water Injection Controls and Valves; Fuel Valves Fuel Flow Regulators; Components of Smoke Abatement Systems.
Excludes Aircraft Fuel Tanks (FSC 1560); In-flight Refueling System Fuel Components (FSC 1680). Fuel System Components not specifically designed for use with Aircraft Engines or Missile Prime movers.
- 2920 Engine Electrical System Components, Non aircraft
Includes Generators; Magnetos; Spark Plugs; Ignition Coils; Ignition Distributors; Engine Voltage Regulators; Ignition Harness Assemblies; Starting Motors for Engines.
Excludes Vehicular Lighting Fixtures (FSC 6220) and Aircraft Generators (FSC 2925).
- 2925 Engine Electrical System Components, Aircraft Prime Moving
Note- Items designed for specific use on aircraft and guided missile prime movers are to be placed in this FSC.
Includes Magnetos; Igniters (Spark Plugs); Ignition Coils; Ignition Distributors; Engine Voltage Regulators; Ignition Harness Assemblies; Starting Motors for Engines; Engine Accessory Generators.
Excludes Aircraft Lighting Fixtures (FSC 6220); Auxiliary Aircraft Generators (FSC 6115).
- 2930 Engine Cooling System Components, Non aircraft
Includes Cooling Fans; Radiators; Water Pumps; Water Hose Assemblies; Engine Coolant Filters; Components for all Engines except Aircraft and Guided Missile Prime Moving.
- 2935 Engine System Cooling Components, Aircraft Prime Moving
Note- this class includes only cooling system components for aircraft.
Includes Radiators; Cooling System Pumps; Water Hose Assemblies; Lubricating Oil Coolers and Control Valves; Oil Temperature Regulators.
Excludes Cooling System Components not specifically designed for use with Aircraft Engines.
- 2940 Engine Air and Oil Filters, Strainers, and Cleaners, Non aircraft
Includes Components for all Engines except Aircraft and Guided Missile Prime Moving.
Excludes Air and Oil Filters (FSC 4310, 4330), Strainers (FSC 4730) and Cleaners (FSC 4310) not specifically designed for use with engines.
- 2945 Engine Air and Oil Filters, Cleaners, Aircraft Prime Moving
Note Items placed in this FSC should be specifically designed for use on aircraft or guided missile prime movers only.
Includes Air Filters; Oil Filters; Strainer; Cleaners.
Excludes Fuel Filters (FSC 2915); Items designed for other than Engines.

PRODUCT CODE DESCRIPTION

2950 Turbo supercharger and components

Note- All turbo superchargers and their components not elsewhere classifiable will be classified in this FSC.

Includes Turbo supercharged Regulators; Engine Turbo superchargers.

Excludes Engine Integrated Superchargers (FSG 28).

2990 Miscellaneous Engine Accessories, Non aircraft

Includes Engine Dynafocal Suspension Mounts; Engine Driven Superchargers (not integrated with engine); Starter Cranks; Engine Starter Ropes; Exhaust Mufflers; Hand Inertia Starters; Air Duck Heaters; Engine Governors; Intake Mufflers; Combustion Type Starters; Miscellaneous Accessories for all Engines except Aircraft and Guided Missile Prime Moving.

Excludes Electrical Starters Non-Aircraft (FSC 2920); Aircraft (FSC 2925).

2995 Miscellaneous Engine Accessories, Aircraft

Note- Items classified in this class must be specifically designed for use with aircraft or guided missile prime movers only.

Includes Engine Dynafocal Suspension Mounts; Engine Cowling Mounts; Engine Mounted Control Assemblies; Pneumatic Starters; Push-Pull Control Assemblies; Specially designed Jet Engine Air, Oil, Anti-icing and Hydraulic Regulators; Valves and Pumps; Starting Units.

Excludes Exhaust System; (FSC 1560); Jet Engine Hydraulic Reservoirs (FSC 2840); Jet Engine Oil Tanks (FSD 2840); Electrical Starters (FSC 2925); Cockpit Mounted Control Quadrants (FSC 1680).

GROUP 30

Mechanical Power Transmission Equipment

3010 Torque Converters and Speed Changers

Includes Fluid Couplings; Non vehicular Clutches and Couplings; Horizontal Right Angle Drive Gear Units.

Excludes Automotive Torque Converters (FSC 2520); Vehicular Power Transmission Components (FSC 2520); Rotary Aircraft Transmission Gear Units (FSC 1615).

3020 Gears, Pulleys, Sprockets, and Transmission Chain

Includes Power Transmission Cabin; Matched Gear Sets.

Excludes Reduction Gears (FSC 3010).

3030 Belting, Drive Belts, Fan Belts, and Accessories

Includes Belt Lacings; Belt Pins.

3040 Miscellaneous Power Transmission Equipment

Includes Shafts and Shafting; Collars; Gear shafts; Ball Joints; Actuating Cylinders.

GROUP 31

Bearings

Note—All bearings, including specially designed, lubricated, and/or selected, is to be classified in the appropriate classes of this group. Bearings are parts that support another part, which rotates, slides, or oscillates in or on it.

3110 Bearing, Antifriction, Unmounted

Note this class includes bearings that generally have roller or balls confined by an inner and outer ring to relieve friction in/on/around rotating/moving mechanisms.

Includes Ball Bearings; Roller Bearings; Balls; Races.

PRODUCT CODE DESCRIPTION

Excludes Plain Bearings (FSC 3120); Jewel Bearings (FSC 3120)

3120 Bearings, Plain, Unmounted

Note- Bearings in this class are generally one piece that retain and position moving and/or Rotating parts. They may have lubrication grooves/fittings/facilities or include pre-lubrication.

Includes Sleeve Bearings; Split Bearings; Washer Type Bearings; Jewel Bearings

Excludes Antifriction Bearings (FSC 3110); Mounted Bearings (FSC 3130).

3130 Bearings, Mounted

Note- This Class includes bearings that generally have roller or balls confined by an inner and outer ring to relieve friction in/on/around rotating/moving mechanisms.

Includes Pillow Block Units; Cartridge Units; Flange Units; Take up Units; Hanger Box Units; Flat Box Units; Step Box Units.

Excludes Antifriction Bearings (FSC 3110); Plain Unmounted Bearings (FSC 3120).

GROUP 32

Woodworking Machinery and Equipment

3210 Sawmill and Planning Mill Machinery

3220 Woodworking Machines

Includes Mortisers; Tenoners; Veneer Lathes.

Excludes Hand Held Power Driven Tools; Hand Held Tools Operated by Flexible Shaft.

3230 Tools and Attachments for Woodworking Machinery

Includes Circular and Band Saw Blades; Cutter Heads; Jointer and Notcher heads; Cutters.

Excludes Head Tuning Tools.

GROUP 33

Metalworking Machinery

3405 Saws and Filing Machines

Includes Cutoff Machines; Saw Blade Dressing Machines; Retooling Machines.

3408 Machining Centers and Way-Type Machines

Note-The following definitions apply to "Machining Centers" and "Way-type Machines".

a. "Machining Center", refers to a multipurpose numerically controlled machine tool for the complete and automatic machining of parts requiring multiple operations such as milling, drilling tapping, boring, and reaming, having an integral tool storage device and an integral means for positioning various faces of the work piece. It must have facilities for automatic interchanging of varied cutting tools between successive operations. Excluded from this class are multipurpose numerically controlled machine tools, such as Boring-Drilling-Milling Machines, which require the use of an attachment or accessory for tool storage and/or to position the various faces of a work piece. These types of equipment are classified in other appropriate classes within group 34.

b. "Way-type Machine". Refers to a special machine tool of station type design consisting of individually mounted self-contained machining units and facilities for indexing the work piece to each station in a predetermined sequence. The machining unit(s) may be disassembled and rearranged to accommodate different work piece configurations. Machine is capable of performing single or multiple operations on the work piece simultaneously or in sequence to each station.

3410 Electrical and Ultrasonic Erosion Machines

Includes Electrical Discharge Machines; Electrolytic Grinding Machines.

PRODUCT CODE DESCRIPTION

- 3411 Boring Machines
- 3412 Broaching Machines
- 3413 Drilling and Tapping Machines
Includes Multiple Spindle Drilling Tapping Machines.
Excludes Way-Type Machines.
- 3414 Gear Cutting and Finishing Machines.
- 3415 Grinding Machines
Excludes Electrolytic Grinding Machines.
- 3416 Lathes
Includes Screw Machines.
Excludes Speed Lathes; Metal Spinning Lathes; Cartridge Case and Shell Lathes.
- 3417 Milling Machines
- 3418 Planers and Shapers
Includes Combination Shaper-Planers.
Excludes Gear Shapers; Planer Type Milling Machines.
- 3419 Miscellaneous Machine Tools
Includes Gun Rifling machines; Speed Lathes.
- 3422 Rolling Mills and Drawing Machines
- 3424 Metal Heat Treating and Non-Thermal Treating Equipment
Includes Hardening, Annealing, Tempering, Normalizing, Cyaniding, and Carbonizing Equipment; Furnaces, Flue Welding, Non-Thermal Stress Relieving Systems.
- 3426 Metal Finishing Equipment
Includes Galvanizing, Tinning, Oiling, Pickling; Electroplating, and Anodizing Equipment.
- 3431 Electric Arc Welding Equipment
Includes Gas Shielded Arc Welding Machines; Arc Bonding Machines; Semi-Automatic and Automatic Arc welding Machines.
Excludes Welding Supplies, and Associated Equipment such as: Flux Recovery Machines; Flux Dispensers; Tacker Panels; Welding Panels.
- 3432 Electric Resistance Welding Equipment
Includes Electric Resistance Brazing Machines; Band Saw Brazers; Stored Energy Resistance Welding Machines.
Excludes Electric Induction Brazing and Soldering Machines.
- 3433 Gas Welding, Heat Cutting, and Metalizing Equipment
Includes Metal Spray Guns; Arc Cutting Machines; Torches and Tips; Gas Brazing Machines; Flame Cutting Machines; Vacuum Metalizers; Spark Discharge Metalizers.
Excludes Welding Supplies; Disintegrating Machines.
- 3436 Welding Positioners and Manipulators
Includes Welding Tables.

PRODUCT CODE DESCRIPTION

- 3438 Miscellaneous Welding Equipment
Includes Thermite welding Equipment; Flux Recovery Machines; Flux Dispensers; Arc Converters; Welding Panels.
- 3439 Miscellaneous Welding, Soldering, and Brazing Supplies and Accessories
Includes Soldering Irons Welding Electrodes and Rods; Brazing Fluxes; Soldering Fluxes; Solder.
- 3441 Bending and Forming Machines
Excludes Wire and Metal Ribbon Forming Machines.
- 3442 Hydraulic and Pneumatic Presses, Power Driven
Includes Metal Powder Compacting Presses.
- 3443 Mechanical Presses, Power Driven
Includes Metal Powder Compacting Presses.
- 3444 Manual Presses
Includes Arbor, Straightening, Forcing, and Assembly Presses.
- 3445 Punching and Shearing Machines
- 3446 Forging Machinery and Hammers
Excludes Forging Presses.
- 3447 Wire and Metal Ribbon Forming Machines
Excludes Roll Forming Machines.
- 3448 Riveting Machines
Excludes Power Driven Hand Riveting Machines.
- 3449 Miscellaneous Secondary Metal Forming and Cutting Machines
Includes Metal Spinning Lathes.
- 3450 Machine tools, Portable
Includes Portable Abrasive Cutting Machines; Portable Drilling Machines; Portable Slotters and Shapers.
Excludes Stationary Type Machines Tools mounted on portable devices such as wheel or leg type stands.
- 3455 Cutting Tools for Machine Tools
Includes Broaches; Files; Milling Cutters; Reamers; Saws.
Excludes Flame Cutting Tools.
- 3456 Cutting and Forming Tools for Secondary Metalworking Machinery
- 3460 Machine Tool accessories
Excludes Abrasive Wheels, cones, and other Abrasive Attachments for use only on Hand held Power Tools.
- 3461 Accessories for Secondary Metalworking Machinery
Excludes Parts Feeders.

PRODUCT CODE DESCRIPTION

3465 Production Jigs, Fixtures, and Templates

Note-This class includes jigs, fixtures, and templates used in conjunction with the metalworking machinery classified in Group 34. Jigs, fixtures, and templates used in conjunction with maintenance and repair shop specialized equipment are classified in Group 49.

3470 Machine Shop Sets, Kits, and Outfits.

GROUP 35 Service and Trade Equipment

3510 Laundry and Dry cleaning Equipment

Includes Washing Machines; Extractors; Wringers; Drying Tumblers; Ironers; Presses; Starching Machines; Marking Equipment; Mobile Laundry and Dry Cleaning Units.

3520 Shoe Repairing Equipment

Includes Shoe Sewing machines; Mobile Shoe repair Shops.

3530 Industrial Sewing machines and Mobile Textile Repair Shops

Excludes Shoe Sewing Machines.

3540 Wrapping and Packaging Machinery

Includes Filling Machines; Container Capping Machines; Label Applying Machines; Package Sealing Machines; Paperboard Box, Case and Tray making Machines; Strapping machines; Stapling machines, except Office Type.

Excludes Paperboard Manufacturing Machinery.

3550 Vending and Coin Operated Machines

Includes Fare recording Devices; Parking Meters; Turnstiles; Coin Operated Photographs.

Excludes Coin and Currency handling machines; Coin Operated Scales.

3590 Miscellaneous Service and Trade Equipment

Includes Manicure Tables.

GROUP 36 Special Industry Machinery

3605 Food Products Machinery and Equipment

Includes Industrial Food Products Equipment.

Excludes Kitchen and Galley Equipment.

3610 Printing, Duplicating, and Bookbinding Equipment

Includes Offset Presses; Typesetting Machinery; Bookbinding Machinery; Photoengraving machinery; Printing Type; Rules; Leads; Slugs; Line Gages; Quoins; Plate Hooks; Gelatine Process Machines; Offset Process Machines; Photostat Machines; Blueprint Printing and Developing machines; Print Shop Furniture.

Excludes Microfilm Machines.

3611 Industrial marking Machines

Note-Marking machines, which make permanent indentations in metal, are classified in Group 34.

Excludes Marking Machines, Laundry; Printing Machine, Label; Printing Press, Label; Embossing Machines, Office Type; and Marking Machines, Office Type.

PRODUCT CODE DESCRIPTION

3645 Leather Tanning and Leather Working Industries Machinery

GROUP 37 **Agricultural Machinery and Equipment**

- 3710 Soil Preparation Equipment
Includes Harrows; Plows; Seed Drills; Seeder Attachments; Sprayers.
- 3720 Harvesting Equipment
Includes Hayrakers; Mowers.
Excludes Mower Attachments (FSC 3750); Sickle Bar Attachments (FSC 3750).
- 3730 Dairy, Poultry, and Livestock Equipment
- 3740 Pest Disease, and Frost Control Equipment
Includes Atomizers; Delousing Outfits; Dusters; Fly Swatters; Flypaper; Fog Generators; Sprayers; Traps.
Excludes Self-Pressurized Spray Kits (FSC 4940).
- 3750 Gardening Implements and Tools
Includes Garden Tractors, Walking Type; Lawn Mowers, Powered and Nonpowered; Hedge Trimmers; Lawn Seeders; Fertilizer Spreaders; Gardening Rakes, Forks, Hoes, and Other Gardening Tools.
- 3770 Saddlery, Harness, Whips, and Related Animal Furnishings
Includes Dog Harnesses; Leads.

GROUP 38 **Construction, Mining, Excavating, and Highway Maintenance Equipment**

- 3805 Earth Moving and Excavating Equipment
Includes Scrapers; Ditchers; Loaders; Graders; Special Construction Type Earth and Rock Hauling Trucks and Trailers; Special Individual Work and Power Sections of Construction Equipment with a quick connect/disconnect capability. The Power Section is designed to be coupled with a Work Section to form a functional piece of Construction Equipment.
Excludes Standard Tractors (FSG 24); Trailers (FSC 2330); Trucks (FSC 2320).
- 3810 Cranes and Crane-Shovels
Includes Cranes; Crane-Semi tractors; Crane-Shovels; Crane-Tractors.
Excludes Locomotive Cranes (FSC 2230).
- 3815 Crane and Crane-Shovel Attachments
Includes Backhoes; Buckets; Dippers; Fairleads; Gantries; Grapples; Lifting Magnets; Shovels; Wrecking Balls.
- 3825 Road Clearing, Cleaning, and Marking Equipment
Includes Pavement Scrubbing Machines; Snow Removal Units; Sweepers; Road Marking Machines; Vacuum Cleaners; Water Distributors; Weed Burners.
Excludes Standard Tractors with Road Clearing and Cleaning Attachments (FSC 2410, 2420, 2430); Timber Sawing Equipment (FSC 5110, 5130).
- 3830 Truck and Tractor Attachments

PRODUCT CODE DESCRIPTION

Includes Angle dozers; Augers; Backhoes; Bull clams; Bulldozer-Shoves; Cranes; Grubbers; Loaders; Rakes; Rippers; Rollers; Scarifiers; Snow Removal Units; Snowplows; Sweepers; Tree dozers.

3895 Miscellaneous Construction Equipment

Includes Asphalt Elevators; Asphalt Heaters; Asphalt Kettles; Asphalt Transfer Equipment; Batching Plants; Stabilizing and Compacting Equipment; Concrete Mixers (All Types); Concrete Vibrators; Bituminous and Concrete Pavers; Asphalt Distributors; Sheep foot Rollers; Rooters; Rippers; Pile Drivers; Bitumen Heaters; Cable Laying, Lashing, Spinning, and Reeling Equipment.

Excludes Earth Moving and Excavating Equipment (FSC 3805 & 3810); Pile Driving Attachments for Cranes and Crane-Shovels (FSC 3815); Special Individual Work and Power Sections of construction Equipment with a quick connect/disconnect capability (FSC 3805).

GROUP 39 Materials Handling Equipment

3910 Conveyors

Includes Pneumatic Tube Systems; Portable, Stationary, Powered, and Non-powered Conveyors; Conveyor Feeders.

3915 Material Feeders

Note-Materials Handling equipment included in this class is restricted to those materials feeders and parts feeders that serve as a conveying device, and by which the rate of delivery of bulk materials, packages, or objects may be controlled. Items included in this class are synchronized with companion machinery, feeding predetermined amounts, by volume, of specific materials accurately and continuously from storage bins and hoppers to process or mixing machines, and are interchangeable between machines. Excluded from this class are conveyor feeders (i.e., apron, belt, chain, flight, pan, etc., adapted for feeder service) that are classifiable in class 3910 and/or Class 3895, as appropriate.

Includes Dry Materials Feeders; Parts Feeders

Excludes Aggregate and Fines Feeders; Conveyor Feeders; Water Purification Dry Chemical Feeders.

3920 Material Handling Equipment, Non-self-propelled

Includes Dolly Trucks; Pushcarts; Handcarts; Wheelbarrows; Hand Trucks; Materials Handling Trailers.

Excludes Conveyors

3930 Warehouse Trucks and Tractors, Self-Propelled

Includes Tug Jockeys; Fork Lift Trucks; Platform Trucks; Straddle Trucks.

3940 Blocks, Tackle, Rigging, and Slings

Excludes Load chain; chain and metal Rope Fittings; Wire Rope; Hoists; Ship Rigging.

3950 Winches, Hoists, Cranes, and Derricks

Includes Windlasses; Capstans; Ore Bridges; Gypsies; Warehouse Cranes; Wharf Cranes, Mobile or Fixed; Overhead Traveling Cranes.

Excludes Crane-Shovels (FSC 3810); Winches for Integral Mounting on Trucks or Tractors (FSC 3830).

3960 Freight Elevators

3990 Miscellaneous Materials Handling Equipment

Includes Skids, Pallets.

PRODUCT CODE DESCRIPTION

Excludes Airfield Engine Transport Skids.

GROUP 40 **Rope, Cable, Chain, and Fittings**

4010 Chain and Wire Rope

Note-Chain and wire rope, with attachments or terminations will be classified in this class when they are for general use.

A. Chain is a series of flexible links and/or rings fitted into one another used for supporting, lifting, restraining, dragging, or transmitting power.

B. Wire rope is formed from strands of twisted wire.

Includes Bead Chain; Weld less Chain; Single Leg Chain Assemblies; Wire Rope; Wire Cord; Single Leg Wire Assemblies.

Excludes Power Transmission Chain (FSC 3020); Slings.

4020 Fiber rope, Cordage, and Twine

Note-Fiber rope is classified in this class when it is bulk material or for general use. Items with attachments and/or terminations are identified in this class unless a more specific item name is used.

A. Fiber rope is a flexible twisted strand of manila, nylon or other fiber.

B. Cordage is ropes or cords used in rigging (see item name definitions for parameters).

C. Twine is two or more strands twisted together.

Includes Fibrous Cord Assemblies; Fibrous Cord; Fibrous Rope; Fibrous Twine.

Excludes Wire Rope (FSC 4010); Slings (FSC 3940).

4030 Fitting for Rope, Cable, and Chain

Note-All items, including specially designed, will be classified in this FSC. Fittings classified in this FSC are items used in conjunction with chain, rope, and are attached to perform certain functions, (e.g., hooks, shackles, and wedges) refer to item name definitions for parameters.

Includes Anchor Guys; Wire Stranded Bands; Wire rope Clamps; Cargo Hooks; Shackles; Swivels; Rope Terminals; Rope Wedges.

Excludes Clamp Blocks (FSC 5340); Support Hooks (FSC 5340).

GROUP 41 **Refrigeration, Air Conditioning, and air Circulating Equipment**

4110 Refrigeration Equipment

Note-This class includes only complete refrigeration equipment, whether refrigerated from an integral or remote mechanical refrigeration unit or system. Also included in this class are refrigeration plants, and complete "packaged" refrigeration units and systems containing a power driven compressor, condenser, evaporator, and all other necessary components to refrigerate an enclosed space. No operating accessories such as ice trays, shelves, and panels are included in this class. Excluded from this class are operating components, assemblies, parts, attachments, or accessories, for use in or on complete refrigeration equipment, plants, systems, or the "packaged" refrigeration units, and which are to be classified in Class 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC.

Includes Grocery Type Display Cases; Ice Cream Cabinets; Drinking Fountains (except Portable and stationary types classified in Class 4510); Professional and Scientific Refrigerators; Rivet Coolers; Photographic Refrigerators; Mortuary Refrigerators; Household and Commercial Refrigerator; Grocery Type Showcases; and other types of refrigeration equipment or the commissary or food store type.

Excludes Cafeteria Type Refrigerated Display Cases; Soda Fountains; Milk; Soda, and/or Ice Cream Dispensers; Cold Food Counter; Carbonators; Combination Heated-Refrigerated Food

PRODUCT CODE DESCRIPTION

Servicing Equipment; Cafeteria Type Showcases; Chilling Equipment Used for Display and Serving of Good (see Class 7310 for these items). Also excluded from this class are refrigeration components (see Class 4130).

4120 Air Conditioning Equipment

Note-this class includes only complete air conditioning equipment, systems, and plants. Also included are specially designed no operating accessories such as a window panel used with a window type air conditioning unit to facilitate mounting. Excluded from this class are operating components, assemblies, parts, attachments, or accessories for use in or on air conditioning equipment, which are to be classified in Class 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC.

Includes Store Type Units; Window and Room Type Units; Marine, and Vehicular Air Conditioning Units; Air conditioning Plants and Systems.

Excludes Air Conditioning Components (FSC 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC).

4130 Refrigeration and Air Conditioning Components

Includes Heat Exchanger Equipment; Refrigerant Strainers; Refrigeration Compressors; Air Conditioning and Refrigeration Servicing Equipment, such as Charging and testing manifolds, Lines and Units; Operating Components of Refrigeration and Air Conditioning Equipment, Plants, and Systems classified in classes 4110 and 4120.

Excludes Refrigeration and Air Conditioning Plants (see classes 4110 and 4120): Collections of Refrigeration Components "packaged" as a unit including a refrigeration compressor, condenser, evaporator, etc., specifically designed and tailored for applications such as walk-in type refrigerators. Individual components of the "packaged" unit will be classified in class 4130, or as otherwise specifically prescribed by the indexes and structure of the FSC. The complete "package" unit will be classified in class 4110.

4140 Fans, Air Circulators, and Blower Equipment

Note-Fans and impellers which are specifically designed for use with specific individual types of equipment are to be classified in the same classes as their next higher assemblies or in the appropriate components or accessories classes (as in Group 25 or 29 or Class 1680) as prescribed by the indexes and structure of the FSC.

Includes Wall Type Fans; Pedestal Type Fans; Household Type and Attic Type Exhaust Fans; Floor Fans; Forged Draft Exhaust and Disposal Kits; Fans, Air Circulator, and Blower Equipment, whether designated as "industrial" or "non industrial" by application and/or use. Ceiling Fans.

Excludes Combination Heater-Fans (FSC 4520).

4150 Vortex Tubes and Other Related Cooling Tubes

Includes Tool Grinding spot coolers; machining spot coolers; electronic equipment spot coolers; and electronic cabinet spot coolers.

Excludes Refrigeration and Air Conditioning Plants (Classes 4110 and 4120): Air Conditioning Components and Cooler Unit, Air (Class 4130); Cooler, Air, Evaporative (Class 4120).

GROUP 42

Fire Fighting, Rescue, and Safety Equipment; and Environmental Protection Equipment and Materials

4210 Fire Fighting Equipment

Includes Fire Extinguishers; Fire Axes; Fire Rakes; Fire Beaters; Fire Trucks; Fire Hose; Play Pipes; Hose Fittings having on or more Fire Hose End Connections; Fire Hose Reels; Fire Fighting Trailers; Fire hydrants; Sprinkler Heads.

Excludes Wrecking Bars (FSC 5120).

PRODUCT CODE DESCRIPTION

- 4220 Marine Lifesaving and Diving Equipment
Includes Diving and Salvage Apparatus, including Pressurized Divers' Suits; Rescue Nets, Buoyant; Inflatable Life Vests; Life Rafts.
Excludes Lifesaving Boats (FSC 1940).
- 4235 Hazardous Material Spill Containment and Clean-up Equipment and Material
Includes Secondary Spill Containment Sumps; Liquid Spill Containment Pallets; Spill Containment Basins; Spill Containment Systems; Absorbent, Sorbent and Blotting Materials.
- 4240 Safety and Rescue Equipment
Includes Portable Fire Escapes; Safety Nets, No buoyant.
Excludes Divers' Suits; Fixed Fire Escapes.
- 4250 Recycling and Reclamation Equipment
Includes material and Machinery designed to remove, neutralize and/or prepare for possible re-use of substances otherwise considered to be irreclaimable.

GROUP 43 Pumps and Compressors

Note-This group excludes pumps and compressors designed for use on individual types of equipment such as engine fuel pumps, aircraft propeller feathering pumps, forklift operating pumps, compressors for operating gun turrets, and vehicular brake system compressors. Also excluded are items specially designed as or for use on fuel dispensing equipment? The FSC indices and structure will govern the classification of these items permitted classification in a single class only.

- 4310 Compressors and Vacuum Pumps
Includes Truck Mounted and Trailer Mounted Compressors.
Excludes Refrigeration Compressors (FSC 4130).
- 4320 Power and Hand Pumps
Excludes Laboratory Jet Pumps (FSG 66).
- 4330 Centrifugals, Separators, and Pressure and Vacuum Filters
Excludes Laboratory Centrifuges (FSG 66).

GROUP 45 Plumbing, Heating, and Waste Disposal Equipment

- 4510 Plumbing Fixtures and Accessories
Includes Bathtubs; Commodes; Lavatories; Shower Cabinets; Sinks; Water Closets; Accessories and Component Part, such as Dispensers, Faucets, holders, Racks, Shower heads, Flush Valves and Stop Valves.
- 4520 Space and Water Heating Equipment
Includes boilers, 15 pounds WSP and under; Domestic Water Storage Tanks through 100 gallon capacity; Fireplace Heaters; Furnaces; Space Heaters; Heating Radiator; Immersion Heaters; Water Heaters, through 100 gallon recovery capacity.
Excludes Vehicle Heaters; (FSC 2540); Aircraft Heaters (FSC 1660).
- 4530 Fuel Burning Equipment Units
Includes Oil Burners; Stokers; Gas Burners.
- 4540 Waste Disposal Equipment

PRODUCT CODE DESCRIPTION

Includes Compactors; Destructors; Garbage Disposals; Incinerators; Septic Tanks.

GROUP 49 **Maintenance and Repair Shop Equipment**

Note-Specialized equipment which is designed for automotive maintenance and repair, and which is also used for the maintenance and repair of no automotive vehicles or equipment, will be classified in Class 4910. Jigs, fixtures, and templates used in conjunction with maintenance and repair shop specialized equipment are classified in this group. However, jigs, fixtures, and templates used in conjunction with metal working machinery are classified in Group 34. Infrared assemblies subassemblies, and components specifically designed as test and maintenance specialized equipment are classified in the appropriate classes of this group. Excluded from this group is infrared equipment designed for testing communications and night vision equipment.

- 4910 Motor Vehicle Maintenance and Repair Shop Specialized Equipment
Includes Automotive Lifts; Wheel Aligners; Brake Service Equipment; Tire Maintenance and Repair Equipment; Test stands and test equipment specially designed for use with motor vehicles.
Excludes Hand Tools (FSG 51); Lubrication and Fuel Dispensing Equipment (FSC 4930); Basic types of electrical and electronic test instruments, including those specifically designed, such as ammeters, voltmeter, ohmmeters, multi meters, and similar instruments as shown in the indexes in the FSC (FSC 6625).
- 4920 Aircraft Maintenance and Repair Shop Specialized Equipment
Includes Maintenance stands designed for support of aircraft assemblies during repair of overhaul; Test Stands and Test Equipment specially designed for maintenance and repair of aircraft components such as: engines, generators, hydraulic systems, armament, automatic pilot, fire control, flight control, and navigational systems.
Excludes Hand Tools; Airfield Maintenance Platforms; Basic Types of electrical and electronic test instruments, including those specially designed, such as ammeters, voltmeters ohmmeters, multimeters, and similar instruments, as shown in the indexed to the FSC; Test Apparatus used for both communications and other electrical and electronic equipment.
- 4930 Lubrication and Fuel Dispensing Equipment
Includes Hand Grease Guns; Centralized Lubrication Systems; Hydrostatic Lubricators; Oil and Gasoline Dispensing Pumps; Fuel Oil Dispensing Pumps; Hand Oilers; Grease Dispensers; Pressure Gun Attachments; Sight Feed Lubricators.
- 4940 Miscellaneous Maintenance and Repair Shop Specialized Equipment
Includes Pint Spraying Equipment.
Excludes Hand Tools (FSG 51).

GROUP 51 **Hand Tools**

- 5110 Hand Tools, Edged, Non powered
Includes Chisels; Files; Pipe Cutters; Rasps; Saws; Screw Plates; Axes; Hatchets; Machetes.
- 5120 Hand Tools, Non edged, Non powered
Includes Hammers; Picks; Pliers, except pliers for cutting only; Screwdrivers; Shovels; Construction Rakes, Forks and Hoes; Jacks, including Contractors' Jacks; Wrecking Bars; Glue Pots; Blow torches.
Excludes Craftsman's Measuring Tools; Gardening Rakes, Forks, Hoes, and other Garden Tools.

PRODUCT CODE DESCRIPTION

- 5130 Hand Tools, Power Driven
Includes Drills; Riveters; Portable Electric Saws; Pneumatic Tools; Abrasive Wheels, Cones, and other Abrasive Attachments for use only on Hand Held Power Tools.
- 5133 Drill bits, Counter bores, and Countersinks; Hand and Machine.
- 5136 Taps, Dies, and Collets; Hand and Machine
Excludes Punching, Stamping, and Marking Dies.
- 5140 Tool and Hardware Boxes
- 5180 Sets, Kits, and Outfits of Hand Tools
Note-This class includes sets, kits and outfits consisting of several different items classifiable either in a single class or in several classes. Excluded from this class are sets, kits and outfits consisting of variations (such as size or color) of an item. Classify these items in the some class as the individual item.

GROUP 52 Measuring Tools

- 5210 Measuring Tools, Craftsmen's
Note-This class does not include special inspection gages classified in Class 5220.
Includes Calipers; Levels; Micrometers; Plumb Bobs; Precision Tapes; Squares; Angle Gages; Center Gages; Depth Gages; Draw Gages; Drill Point Gages; Fillet and Radius Gages; Glaziers Gages; Height Gages (Vernier); Planer Gages; Rivet Selector Gages; Saw Tooth Set Gages; Screw Pitch Gages; Surface Gages; Telescoping Gages; Thickness Gages; Tube Bead Gages; Tube Flare Gages; Twist Drill Gages; Twist Drill and Rod Gages; Twist Drill and Tap Gages; Taper-Wire-Thickness Gages; Wire Gages; Tool Setting Planer and Shaper Gages; Gage Blocks.
- 5220 Inspection Gages and Precision Layout Tools
Note-Special inspection gages are includes in this class.
Includes Go and Not-Go Gages, including Plug, Ring, Snap, Thread, and Length Gages; Profile Gages; Fixture Gages; Special Inspection.
- 5280 Set, Kits, and Outfits of Measuring Tools

GROUP 53 Hardware and Abrasives

- 5305 Screws
- 5306 Bolts
- 5307 Studs
- 5310 Nuts and Washers
Note-Nuts and washers, including specially designed, are to be classified in this FSC.
A. Nuts are a small metal black made in a variety of shapes such as square and hexagonal which is drilled and internally threaded.
B. Washers are a perforated piece of metal, leather, or other materials of various shapes or forms. They are used primarily as a set for a bolt, nut, screw, rivet or nail to distribute pressure

PRODUCT CODE DESCRIPTION

- and prevent endwise motion over and are and /or to prevent movement between two parts by means of restraining features created by the shape of its edges.
Includes Locknuts; Eye Nuts; Plain Nuts; Castellated Nuts; Wing Nuts; Plate Nuts; Push on Nuts; Concave and Convex Washers; Flat Washers; Keyed Washers; Lock Washers; Shouldered Washers; Split Washers.
Excludes Bearing Thrust Washers (FSC 3120); Shims (FSC 5365); Ring Spacers (FSC 5365); Plate Spacers (FSC 5365); Lock Rings (FSC 5365).
- 5315 Nails, Machine Keys, and Pins
Note-Nails, machine keys, pins, including specially designed, will be classified in this FSC.
A. Nails are slender, usually pointed fasteners w/ a head & designed for insertion by impact.
B. Machine keys are items generally inserted between two items, usually in a groove, to prevent relative rotation e.g., shaft and hub.
C. Pins are cylindrical items of various material used to align/attach two or more parts together and may allow for angular movement.
Includes Dowel Pins, Split Pins; Spikes; Tacks; Non office Type Staples; Machine Keys; Brads; Shouldered Pins; Cotter Pins; Nails.
Excludes Shafts (FSC 3040); Lock Keys (FSC 5340).
- 5320 Rivets
- 5325 Fastening Devices
Includes Eyelets; Grommets; Aircraft Cowling Fasteners; Textile Fasteners; Retaining Rings; Threaded Inserts.
- 5330 Packing and Gasket Materials
Note-This FSC includes only seals and gaskets designed for standard use. Seals, gaskets and packing are made from materials specifically designed and constructed to resist deterioration from the action of heat, gas, chemicals, liquids, and used to fill a cavity and create a tight seal. Similar materials used to make seals, gaskets and packing are available in bulk form, refer to FSG 93, FSG 80, and FSG 83.
Includes General Purpose Oil Grease, Air, Liquid, Gas and chemical Seals; Oakum; Prefabricated Gaskets and Seals designed for a single specific application.
Excludes Bulk material items, such as; Rubber, Cork, and Asbestos Sheets and Strips (FSG 93); Liquid Gasket Material (RTV, Permatex etc.) (FSG 80); RFI and EMI Seals and Gaskets (FSC 5999), and all Seal Retainers.
- 5335 Metal Screening
Note- Metal Screening is a perforated plate or cylinder or a meshed wire fabric usually mounted and used to separate coarse from finer parts.
Includes Insect Screening; Industrial Metal Cloth; Industrial Metal Mesh.
Excludes Fencing (FSC 5660).
- 5340 Hardware, Commercial
Note-Common hardware designed primarily for commercial use will be classified in this FSC. Hardware is the physical, tangible and permanent components of end items that may not be classified elsewhere. It consists also of common items that are commonly used in construction and /or manufacturing (e.g., hinges, door locks).
Includes Access Covers; Bumpers; Casters; Cabinet and Door Hardware; Clevises; Hinges; Latches; Straps and Strapping; Turnbuckles; Webbed Straps.
Excludes Weapons System Hardware (FSC 5342).
- 5341 Brackets
Note-All brackets, including specially designed for specific use an/or application, will be classified in this FSC. Brackets are items of rigid construction that sustain a secondary item.
Includes Angle Brackets; Double Angle Brackets; Mounting Brackets.
Excludes Corner Braces, "T" Braces, Mending Plates (FSC 5340).

PRODUCT CODE DESCRIPTION

- 5345 Disks and Stones, Abrasive
Includes Abrasive Belts and Belting; Hones; Abrasive Wheels, Multi application.
Excludes Dental Abrasives; Abrasive Cones, and other Abrasive Attachments for Equipment.
- 5350 Abrasive Materials
Includes Cloth; Papers; Powders; Abrasive Polishing Compounds; Metal Finishing Abrasives; Industrial Diamonds; Diamond Dust; Rouge.
- 5355 Knobs and Pointers
Includes Knobs, including Calibrated Knobs; Dials, Scale.
- 5360 Coil, Flat, Leaf, and Wire Springs
Note-All springs, including specially designed, will be classified in this FSC. A spring is an elastic mechanical device that regains its original shape after being compressed, extended or deflected.
Includes Compression Springs; Torsion Springs; Leaf Spring Assemblies; Flat Springs; Extension Springs.
- 5365 Bushing, Rings, Shims, and Spacers
Note-All items, including specially designed, will be classified in this FSC.
A. bushing is cylindrical in shape, hollow, and designed primarily to be inserted into a hole to reduce the effective inside diameter of the hole, and to protect the body structure about the hole from damage resulting from stress, strain and vibration.
B. A ring is cylindrical in shape, usually flat with a center hole. Rings are multi-applicational. See specific item name for designated usage.
C. A shim is a thin, sometimes tapered piece of material used to filling space between things. See specific item name for dimensional parameters.
D. A spacer is a device for holding two members at a given distance from each other.
Includes Externally Threaded Rings; Keyed and Serrated Lock Rings; Dee Rings; Instrument Retaining Rings; Shim Sets and Assortments; Plate Spaces; Ring Spacer; Sleeve Spacers; Stepped Spacers; Spacer Set and Assortments; Sleeve Bushings; Machine Threaded Bushings; Machine Threaded Plugs.
Excludes Sleeve Bearings (FSC 3120); Piston Rings (FSC 2520, 2805, 2810, 2815, 2825, 2990, 3040, and 4310); Retaining Rings (FSC 5325).

GROUP 54 **Prefabricated Structures and Scaffolding**

- 5410 Prefabricated and Portable Buildings
Includes Prefabricated Panels; Inflatable Shelters; Metal Screens and Metal Windows.
- 5411 Rigid Wall Shelters
Includes Expandable and nonexpandable shelters.
- 5419 Collective Modular Support System
Note-Includes Self-Contained habitat, containing facilities normally expected in a "Rest and Recreational" area, such as; billeting, food services, laundry, shower/hygiene services, recreational and support services that enhance morale and welfare.
- 5420 Bridges, Fixed and Floating
Includes Special Bridge Erection Equipment; Bridge Floats and Pontoons; Tramways; Trestles.
Excludes Pontoons and Floating Docks (FSC 1945).

PRODUCT CODE DESCRIPTION

- 5430 Storage Tanks
Includes Assembled and Unassembled Tanks for storage only; Enclosures for Pressure and Vacuum Tanks; Petroleum Bulk Storage Tanks.
Excludes Hot Water Tanks (FSC 4520).
- 5440 Scaffolding Equipment and Concrete Forms
Includes Prefabricated Concrete Placing Forms; Builders' Ladders and Stepladder; Suspension stages.
Excludes Fire Fighting Ladders (FSC 4210); Maintenance Ladders (FSC 4940); Marine Vessel Ladders (FSC 2090); Vehicle Ladders (FSC 2540).
- 5445 Prefabricated Tower Structures
Includes Power Transmission Towers; Radar Towers; Searchlight Towers; Control Towers; Prefabricated Tower Components, such as Anchor Rails, Tie Rods, Braces, Steps, Guy Assemblies; Specialized Tower Hardware.
- 5450 Miscellaneous Prefabricated Structures
Includes Bleachers; Grandstands.

GROUP 55 Lumber, Millwork, Plywood, and Veneer

- 5510 Lumber and Related Basic Wood Materials
Includes Dimensional Lumber; Wood Flooring; Mine Timbers; Poles; Railroad Ties; Wood Siding; Molding; Stakes.
Excludes Millwork (FSC 5520); Plywood and Veneer (FSC 5530); Prefabricated Non-Wood Items (FSC 5670).
- 5520 Millwork
Includes Door Frames; Doors; Window Frames; Window Sashes.
Excludes Molding (FSC 5510); Prefabricated Non-Wood Items (FSC 5670).
- 5530 Plywood and Veneer
Includes Plywood and Veneered Panels.

GROUP 56 Construction and Building Materials

- 5610 Mineral Construction Materials, Bulk
Includes Asphalt; Cinders; Gravel; Lime; Sand; Rough Dimension Stone, including Rubble; Cement; Ballast.
Excludes Block, Shaped; Brick.
- 5620 Tile, Brick and Block
Includes Concrete Building Block; Cinder Block; Slag Brick; Cut Stone; Cut and Polished Stone; Ceramic Floor and Wall Tile; Architectural Terra Cotta; Concrete Slabs and Grilles.
Excludes Glass Building Block (FSC 9340)
- 5630 Pipe and Conduit, Nonmetallic
Includes Concrete Pipe and Conduit; Clay Pipe and Conduit for underground use; Drain Tile; Nonmetallic Pipe Fittings for underground use.
Excludes Nonmetallic Pipe, Conduit, and Fittings for laboratory or electrical use; Hose and Tubing, Flexible Nonmetallic.

PRODUCT CODE DESCRIPTION

- 5640 Wallboard, Building Paper, and Thermal Insulation Materials
Includes Wallpaper; Paper Building Board; Ceiling Tile; Gypsum Board; Insulating Board; Plasterboard; Soundproofing Board; Tar Paper; Mineral Wool; Glass Wool Bats; Pipe Covering.
Excludes Electrical Insulation Materials.
- 5650 Roofing and Siding Materials
Includes Roofing (all materials), including Sheet Metal; Roofing Felt; Roll Roofing; Roofing Tile; Shingles.
Excludes Tar Paper; Bulk Sheet Metal Roofing and Siding; Wood Siding.
- 5660 Fencing, Fences, Gates and Components
- 5670 Building Components, Prefabricated
Note-Items specified as wooden are classified in 5520.
Includes Door Frames; Window Frames; Window Sashes; Eave Troughs (Gutters); Gratings; Grilles; Shutters; Fixed Fire Escapes; Mounted Partitions.
Excludes Plumbing and associated components such as Sinks; Wallboard and items classified as furniture.
- 5675 Non wood Construction Lumber and Related Materials
Includes Nonwood Dimensional Lumber; Flooring; Special Turning and Carvings; Non wood Veneer.
Excludes Millwork and Wood Veneer (FSC's 5520 and 5530); Items specified as Wooden (FSC 5510).
- 5680 Miscellaneous Construction Materials
Includes Expanded Metal Lath; Airplane Landing Mats; Traction mates.

GROUP 58

Communication, Detection, and Coherent Radiation Equipment

Note- Excludes oscillator items which should be classified in FSC 5963; fiber optic items which should be classified in Group 60; electronic modules as defined under Class 5963; and electrical cable, cord and wire assemblies, harnesses and sets, related to FSG 58 equipment. In Group 58, more than in any other group, it frequently happens that the same name is listed as an index entry in each of several classes. In addition, that name may also appear as an entry in groups other than 58. Each such entry refers to a distinctly different part or assembly, even though the different items have the same name. The listing of the same names in two or more classes indicates that, in one form, the part or assembly covered by the name is applicable to the equipment covered by one class, and in another form is applicable to the equipment covered by another class. For example, the item name CODER, AUDIO FREQUENCY is applicable to two distinctly different assemblies, one of which has an application in crypto logic equipment, covered by Class 5810, and the other in radar equipment covered by CLASS 5810. Consequently the name CODER, AUDIO FREQUENCY is an entry under each of the two classes. When an item identification bears a name which is indexed under more than one class of Group 58, or in Group 58 and in some other group, the item will be classified in the same class as its next higher assembly in the manner described in the Department of Defense, Defense Integrated Data System (DIDS) Procedures Manual, DOD 4100.39-M. Also excluded from this group are data transmission and communications equipment such as terminals, sensors and other devices designed for use with a configuration of ADPE.

- 5805 Telephone and Telegraph Equipment
- 5810 Communications Security Equipment and Components
- 5815 Teletype and Facsimile Equipment

PRODUCT CODE DESCRIPTION

Includes Ticker Tape and Sigtot Equipment.

5825 Radio Navigaton Equipment, Except Airborne
Includes Loran Equipment; Shoran Equipment; Direction Finding Equipment

5830 Intercommunication and Public Address Systems, Except Airborne
Includes Wired Audio Systems; Office Type Systems; Shipboard Systems; Tank Systems.

5835 Sound Recording and Reproducing Equipment
Excludes Phonographs, Home Type; Dictating Machines.

5836 Video recording and Reproducing Equipment
Note-This class includes, and is restricted to electronic video equipment such as video monitors, televisions, cameras, printers and recorders/reproducers used with miscellaneous communication equipment. Also included is associated equipment such as cleaners, splicers, rewinders, reels and tapes designed for use with video recording-reproducing equipment. Excluded from the class is photographic type equipment (Group 67), ADP type computer monitors (Group 70), and video equipment which includes radio receivers/transmitters (properly classified in more specific classes in Group 58).

5841 Radar Equipment, Airborne
Note-Radar assemblies and subassemblies designed specifically for use with fire control equipment or guided missiles are excluded from this class and are included in the appropriate classes of Group 12 or Group 14.

GROUP 59 Electrical and Electronic Equipment Components

Note-Mounting hardware, included in classes of this group, includes such specially designed items as brackets, holders, retainers, etc. Excluded from classes in this group are such hardware items as screws (Class 5305), bolts (Class 5306), studs (Class 5307), washers (Class 5310), rivets (Class 5320), and other common items indexed to specific classes, other than in Group 59. The FSC indexes and structure will govern the classification of items used on or with mounting hardware cited above.

5905 Resistors
Includes Varistors; Resistive ballast Tubes; Rheostats; Resistor Networks; Resistor Mounting Hardware; Thermistors.
Excludes Resistance Wire.

5910 Capacitors
Includes Interference Filter Capacitors; Capacitor Mounting Hardware.
Excludes Semiconductor Deices and Associated Hardware.

5915 Filters and Networks
Note-This class includes those filters and networks which consist of a combination of resistors, capacitor, or coils, but not a combination of resistors only (classified in 5905), capacitors only (classified in 5910), or coils only (classified in 5950).

5920 Fuses, Arrestors, Absorbers, and Protectors
Includes Fuse holders; Fuse Boxes; Fuse Posts; Fuse Links; Fuse Blocks; Current Limiters; Corona Balls; Electrostatic Discharges.
Excludes Circuit Breakers

5925 Circuit Breakers

PRODUCT CODE DESCRIPTION

- Includes Circuit Breakers and Cutouts.
Excludes Relays.
- 5930 Switches
Includes Rotary, Knife, Toggle, Push Button, mercury, Thermostatic, and Differential Pressure Switches.
Excludes Switchgear.
- 5935 Connectors, Electrical
Includes Plugs; Jacks; Receptacles, Electronic Component Sockets and Associated Accessories.
Excluded Inter connectors, Fiber Optic.
- 5940 Lugs, Terminals, and Terminal Strips
Includes Binding Posts; Battery Clips; Stud Terminals; Test Clips.
Excludes Caps, Electrical; clips, Electrical; and Contacts, Electrical.
- 5945 Relays and Solenoids
Includes Electromagnetic Actuators.
Excludes Contractors.
- 5950 Coils and Transformers
Includes Coils, except ignition and magneto; coil assemblies; magnetic amplifiers; reactors; transformers.
- 5963 Electronic Modules
Note-The term "electronic module" as used in this class designates as electronic component designed for use in various equipment or end item applications, and capable of controlling voltage and/or current to produce gain, oscillation, switching, or similar integral electronic functions. It consists of a collection of miniaturized electronic parts and/or elements in a single replaceable package with plug-in mounting which will also complete the required electrical connections. It is not normally subject to disassembly as distinguished from such items as CIRCUIT CARD ASSEMBLY and ELECTRONIC COMPONENTS ASSEMBLY. These modules conform to industry or government specifications/standards that define all physical dimensions and electrical parameters required to promote commonality and ensure proper operational performance.
Excludes MICROCIRCUITS; Electronic Test Equipment Plug-In Units.
- 5965 Headsets, Handsets, Microphones and Speakers
- 5970 Electrical Insulators and Insulating Materials
Includes Tube, Knob, Cleat, Strain, and Standoff Insulators; Feed Thru Insulators; Bead Insulator; Varnish Cambric Tape; Friction Tape.
- 5975 Electrical Hardware and Supplies
Includes Conduit; Raceways; Face Plates; Condulets; Outlet and Junction Boxes; Pole Line Hardware, not elsewhere classifiable.
- 5977 Electrical Contact Brushes and Electrodes
Includes Brushes for electrical rotating equipment; Carbon Stock for Brushes; Brush Arm and Holders; Lighting Electrodes.
Excludes Anodes; Cathodes; Welding Electrodes.
- 5980 Optoelectronic Devices and Associated Hardware

PRODUCT CODE DESCRIPTION

Includes opt electronic devices and assemblies which display numeric, alphanumeric, symbolic, or graphic information, emitters, and non display opt electronic devices, such as couplers, detectors, and switches which perform an active function in an electronic system.

Excludes electric lighting fixtures, lamps, and associated hardware.

5985 Antennas, Wave-guides, and Related Equipment.

Includes Aerials; Masts; Tower Equipment; Attenuators; Couplers; Transmission Lines.

Excludes Tower Structures.

5995 Cable, Cord and Wire Assemblies: Communication Equipment

Note-This class includes only those types of cable, cord, and Wire Assemblies and Sets (and Wiring Harnesses) used on or with equipment and components covered by Group 58. Cable, Cord, Wire Assemblies and Sets (Wiring Harnesses) used on or with equipment classified in FSC Groups other than Groups 58 or 59 are classified in FSC 6150 if multi-applications, or classified with the next higher classifiable assembly if specifically designed.

Excludes Cable Assemblies, Fiber Optic.

5996 Amplifiers

Includes Audio Amplifiers, Complementary Amplifiers, Amplifiers, Operational Amplifiers, Power amplifiers, Radio Frequency Amplifiers, Signal Amplifiers, and Video Amplifiers.

Excludes Multi-functional items such as Amplifier-Detector, Amplifier-Mixer and microcircuit devices.

5998 Electrical and Electronic assemblies, Boards, Cards, and Associated Hardware

Excludes circuit card and electronic component assemblies, which can be identified to a more definitive Approved item Name.

5999 Miscellaneous Electrical and Electronic Components

Includes Permanent Magnets and Magnetostriction Elements; Caps, Clips, and Contacts, Electrical.

GROUP 60

Fiber Optics Materials, Components, Assemblies, and Accessories

Note-Fiber Optics is a general term used to describe the function where optical energy (i.e., light/laser driven rays) is guided to another location through fiber(s). This group includes Fiber Optic items such as parts, materials and devices used for communications, data transmission, or illumination, Excludes hand tools under FSG 51; and electrical, electronic and optical instruments under FSG 66 (instruments).

6010 Fiber Optic Conductors

Note-Included in this class are bulk discrete fibers.

6015 Fiber Optic Cables

Note-Included in this class are one or more discrete fiber optic conductors with a common protective covering in bulk form. May include electrical conductors/cables and/or reinforcing material.

6020 Fiber Optic Cable Assemblies and Harnesses

Note-Included in this class are items used for communication and/or data transmission having one or more fiber optic conductors/cables with processed end(s) or terminated in fitting(s). Excluded from this class are items used for illumination and/or image transmission.

6021 Fiber Optic Switches

Note-Included in this class are switches used for line selection in fiber optic systems.

PRODUCT CODE DESCRIPTION

6030 Fiber Optic Devices

Note included in this class are such items as transmitters, receivers, multiplexers, demultiplexers, modulators demodulators, repeaters, attenuators, filters, integrated optical circuits, and the like, used in fiber optic systems.

6032 Fiber Optic Light Sources and Photo Detectors

Note-Included in this class are light emitting and laser diodes and photo detectors used in fiber optic systems.

6035 Fiber Optic Light Transfer and Image Transfer Devices

Note-Includes in this class are fiber optic devices used for illumination and/or image transmission. Excluded from this class are items used for communication and/or data transmission.

6060 Fiber Optic Inter connectors

Note-includes in this class are all types of fiber optic terminations, such as connectors, dividers, couplers, rotary and non rotary joints, splitters, mixers and splicers and the like. Excludes electrical connectors.

6070 Fiber Optic Accessories and Supplies

Note-Includes in this class are mode-stripping materials, index matching materials and other related supplies. Excluded from this class are hardware and supplies common to both electrical and fiber optic applications which are classifiable on FSC 5975.

6080 Fiber Optic Kits and Sets

Note-Included in this class are kits and sets which consist of fiber optic components only; fiber optic components and related parts; fiber optic components and related tools; or fiber optic components, related part and related tools. Excluded from this class are tool kits and sets which are classifiable in FSC 5180; test sets/instruments classifiable in FSG 66; and end item sets/equipment utilizing fiber optic components which are classifiable in the applicable equipment FSC.

6099 Miscellaneous Fiber Optic Components

Note-Included in this class are fiber optic items, which are not classifiable in a more specific class (See the "Note" for FSG 60).

GROUP 61

Electric Wire, and Power and Distribution Equipment

6105 Motors, Electrical

Excludes Starting motors for Engines.

6110 Electrical Control Equipment

Includes Contactors; Motor Controllers; Power Servomechanisms; Switchgear; Voltage Regulators.

Excludes Automatic Pilot Mechanisms; Relays; Resistors.

6115 Generators and Generator sets, Electrical

Includes Engine, Turbine, Wind, and Hand Driven Generator Sets and Auxiliary Aircraft Generators.

Excludes Motor-Converters; Motor-Generator Sets; Engine Generators; Engine Accessory Generators.

6116 Fuel Cell Power Units, Components, And Accessories

PRODUCT CODE DESCRIPTION

- Note-This class includes items that are designed to produce an electromotive force directly from an oxidation-reduction type of chemical reaction. A complete power unit must include tanks, pumps, and associated control equipment, and requires a continuous, uninterrupted supply of liquid or gaseous fuel and oxidizers.
Includes Complete Functioning Fuel Cell Power Units; Fuel Cells; Fuel Cell Assemblies or Modules; fuel Cell Reactant Chambers; Fuel Feed Mechanisms; Electrolyte Heaters; Heat Exchangers; and other internal components peculiar to, and used exclusively on or with, Fuel Cell Power Units classified in this class.
Excludes Primary Batteries (FSC 6135); Secondary Batteries (FSC 6140); Generators and Generating Sets (GSC 6115); and items for which more suitable classes are specifically prescribed by the indexes and structure of the FSC.
- 6117 Solar Electric Power Systems
Note-This class includes items, which are designed for the direct conversion of solar energy into electrical power.
- 6120 Transformers: Distribution and Power Station
Note-This class includes transformers with a kilovolt-ampere rating above 1kva.
Excludes Potential and Current Transformers
- 6125 Converters, Electrical, Rotating
Note-This class includes devices employing mechanical rotation for changing electrical energy form one form to another (i.e., AC to AC, DC to DC, AC to DC, and DC to AC). Excluded from this class are electrical generators and generator sets (FSC 6115).
Includes Complete Battery Charging Equipment, Rotating; Dynamotors; Motor-Converters; Motor-Generator Sets; Phase Converters; rotating Equipment; Synchronous Converters.
Excludes Non rotating Equipment.
- 6130 Converters, Electrical, Non rotating
Note-This class includes devices employing a means other than mechanical rotation for changing electrical energy form one form to another (i.e., AC to AC, DC to DC, AC to DC, and DC to AC).
Includes Complete Battery Charging Equipment, Non rotating; Power Supplies, multi application.
Excludes Rotating Equipment (FSC 6125); Transformers (FSC 5950).
- 6135 Batteries, Non rechargeable
Includes Cells and Dry Batteries; Nuclear Batteries.
- 6140 Batteries, Rechargeable
Includes Rechargeable Cells and Batteries.
- 6145 Wire and Cable, Electrical
Note-This class includes only bulk electrical wire and cable. Excluded from this class are electrical wire and cable items of definite length either with processed ends, or terminated in fittings.
Includes Insulated and Non insulated, Wire and Cable, such as, Antenna Wire, Coaxial Cable, fuse and Resistance Wire, and Magnet Wire.
Excludes Radio Frequency Transmission Line (FSC 5985); Fiber Optic Cable (FSC 6015); Communication Cable Assemblies (FSC 5995); Distribution and Power Transmission Cable Assemblies (FSC 6150).
- 6150 Miscellaneous Electric Power and Distribution Equipment

PRODUCT CODE DESCRIPTION

Includes Appliance and Extension Cords; Electric Power and Distribution Cable with Attachments, Multiapplication; Common Components of Electrical Rotating Equipment, such as End Bells and Frames.

- 6160 Miscellaneous Battery Retaining Fixtures and Liners
Includes Battery Boxes, Covers, Liners, Racks, Retainers, and Trays.

GROUP 62 **Lighting Fixtures and Lamps**

- 6210 Indoor and Outdoor Electric Lighting Fixtures
Includes Airport, Railroad Platform, Stadium, and Street Lighting Fixtures.
Excludes Non electrical Outdoor Fixtures; Signal Fixtures; Non electrical Outdoor Fixtures; Signal Fixtures; Non electrical Indoor Fixtures.
- 6220 Electric Vehicular Lights and Fixtures
Includes Automotive, Marine, Railroad, and Aircraft Lights and Fixtures.
Excludes Non electrical Vehicular Fixtures.
- 6230 Electric Portable and Hand Lighting Equipment
Includes Floodlights; Searchlights; Extension Lights.
Excludes Nonelectrical Portable and hand Lighting Equipment; Signal and Alarm Equipment.
- 6240 Electric Lamps
Includes Fluorescent Lams; Incandescent Lamps; large and Miniature; Mercury Lamps; Sodium Lamps.
- 6250 Ballasts, Lamp holders, and Starters
- 6260 Non electrical Lighting Fixtures
Includes Lanterns, Nonelectrical; Hand and Portable Carbide Lamps; Candles.

GROUP 63 **Alarm, Signal and Security Detection Systems**

- 6350 Miscellaneous Alarm, Signal, and Security Detection Systems
Includes Anti-intrusion Alarm Systems; Foghorns; Gongs; Chimes; Bells; Burglar Alarm Systems; Fire Alarms; Police Alarm Systems; Sounding Devices; Manual Gas Alarms; Landing Wands.
Excludes Loran; Radar; Sonar; Engine Oil and Fuel Warning Devices; Aircraft Oxygen Warning Devices.

GROUP 66 **Instruments and Laboratory Equipment**

Note-Infrared assemblies (including subassemblies and components) designed specifically for use as or with instruments and laboratory equipment are included in the classes of this group. Also includes are computers (including computer assemblies, computer systems and components) designed specifically for use with instruments and laboratory equipment.

- 6605 Navigational Instruments
Includes Azimuths; Sextants; Octants; Compasses; Plotting Boards; Underwater Log Equipment; Air Position Indicators; Drift Meters.

PRODUCT CODE DESCRIPTION

- 6610 Flight Instruments
Includes Air Speed Indicators; Rate of climb Indicators; Bank of Turn Indicators; Pitot Tubes; Gyro Horizon Indicators; Attitude Gyro Indicators.
Excludes Navigational Instruments (FSC 6605)
- 6615 Automatic Pilot Mechanisms and Airborne Gyro Components
Note-Included in this class are gyro components of guided missiles. Excluded are complete gyro mechanisms and non-airborne gyro components, both of which are classified in the same classes as their next higher assemblies.
Includes Automatic Pilot Regulators; Directional, Vertical, Bank and Turn, and Hydraulic Surface Gyro Controls; Airborne and Ship borne Automatic Pilot Mechanisms; Helicopter Automatic Stabilization Equipment.
- 6620 Engine Instruments
Note-Instruments designed for use on both engines and other than engines are not included in this class and should be classified in the appropriate instruments class of Group 66.
Includes All Engine Instruments, including Aircraft, Marine, and Vehicular; Fuel Pressure Gages Manifold Pressure Gages; Oil Pressure Gages; Fuel Mixture Indicators; Engine Oil and Fuel Warning Devices.
- 6625 Electrical and Electronic Properties Measuring and Testing Instruments
Note-This class includes all "basic" types of electrical and electronic test instruments, such as ammeters, voltmeters, ohmmeters, multi meters, and similar instruments, even if specially designed. Excluded from this class by the modifier "except specially designed" are test instruments, other than "basic" instruments, which are specially designed for use with atomic ordnance, fire control guided missile, motor vehicle, aircraft, or photographic equipment. Such specially designed test instruments are to be classified in other classes in the Federal Supply Classification. This class includes communications test equipment, infrared test equipment designed for communication, and night vision maintenance and test specialized equipment.
Includes Test Leads and Test Lead Attachments; Test instruments designed for communication equipment; Test instruments designed for use with electronic equipment classified in tow or more FSC groups.
Excludes Radiac Equipment.
- 6630 Chemical Analysis Instruments
Includes Acidity (pH) meters; Gas Analyzers; Alkalinity Measuring Instruments; Colorimeters.
Excludes Gas Detecting Equipment; Manuel Gas Alarms; Chemicals; In Vitro Diagnostic Substances and Reagents.
- 6635 Physical Properties Testing and Inspection
Includes Destructive and Nondestructive Inspection Equipment such as Fluorescent Penetrant Inspection Units; Industrial X-Ray Machines; Industrial X-Ray Film; Tensiometers; Material Hardness Testers.
Excludes General purpose Measuring Tools (FSC 5210) and Precision Measuring Tools and Inspection Gages (FSC 5220).
- 6645 Time Measuring Instruments
Includes Clocks; Job Recording Devices; Time Recorders; Time Stamps, Watch and clock Movements; Watches.
- 6650 Optical Instruments, Test Equipment, Components and Accessories
Includes Binoculars; magnifiers; Microscopes; Periscopes; Telescopes; Optical Elements; such as Lens, Prisms, Windows; optical Benches and Associated Devices; Endoscopes, Fiber Optics (Non-Medical).

PRODUCT CODE DESCRIPTION

- Excludes Fire Control Instruments, Optical; Surveying Instruments, Optical; photogrammetric Instruments; Octants; and Sextants; Optical Instruments Integrated with Fire Control Equipment; Opt homological Instruments; Electronic Fiber Optic Test Equipment; medical Endoscopes.
- 6665 Hazard-Detecting Instruments and Apparatus
Includes Radiac Equipment; Gas Detecting Equipment, Land Mine Detecting Equipment.
Excludes Manual Gas Alarms (FSC 6350).
- 6670 Scales and Balances
Includes Coin Operated, household, industrial, Postal, and Laboratory Scales and Balances.
- 6675 Drafting, Surveying, and Mapping Instruments
Includes Drawing Instruments, Drafting Tools; Engineering and Architectural Scales; Levels; Transits; Photogrammetric Instruments; Astrolabes; Level Rods; Plane Tables; Surveying Altimeters; Theodolites.
Excludes Surveyor's Tapes.
- 6680 Liquid and Gas Flow, liquid level, and mechanical Motion Measuring Instruments
Includes Liquid level Float Instruments; Revolution Counters; Speedometers; Rotation Measuring Instruments and apparatus; Oxygen Flow Indicators; Tachometers, including Engine Tachometers.
Excludes combination Instruments; (FSC 6695).
- 6685 Pressure, Temperature, and humidity Measuring and Controlling Instruments
Includes Thermometers, including Engine Thermometers; pressure Gages; Thermocouple Leads; Resistance Bulbs.
Excludes Thermostatic and Differential Pressure Switches (FSC 5930).
- 6695 Combinations and Miscellaneous Instruments
Includes Flow-Pressure Instruments; Taximeters; Dynamometers.
Excludes Dental, Medical, Surgical, and Veterinary Instruments.

GROUP 67 Photographic Equipment

Note-Included are computers (including computer assemblies, computer systems and components) designed specifically for use with photographic equipment.

- 6710 Cameras, Motion Picture
Includes Aerial and mapping Cameras.
Excludes Video Cameras (FSC 5836).
- 6720 Cameras, Still Picture
Includes Aerial, Mapping, Microfilm, Photocopy, and Studio Cameras.
Excludes Industrial X-Ray Machine (FSC 6635).
- 6730 Photographic Projection Equipment
Includes Screens; Viewers; Photomap Projectors; Integrated Viewers/Printer and Microform storage and retrieval systems.
- 6740 Photographic Developing and Finishing Equipment
Includes Editing Equipment; Enlargers; Driers; Pressers; Printers; Washers.
- 6750 Photographic Supplies

PRODUCT CODE DESCRIPTION

- Includes Sensitized Photographic Paper; Special Purpose Photographic Chemicals; unprocessed Film; Photoflash Lamps.
Excludes X-Ray Film (Industrial Class 6635); Electrographic (Facsimile) Paper for direct electrostatic printing or copying (FSC 7530).
- 6760 Photographic Equipment and Accessories
Includes Light Meters; Tripods; Filters; Rangefinders; Photographic Floodlight Fixtures; Lenses; Specialized Photographic Test Equipment.
Excludes Lamps (bulbs) (FSC 6240); Photoflash Lamps (FSC 6750).
- 6770 Film, Processed
Includes Motion Picture Film, Silent and Sound; Still Picture Film.
Excludes X-Ray Film (Medical class 6525 or Industrial class 6635); Processed Microfilm (FSC 7670).
- 6780 Photographic Sets, Kits, and Outfits

GROUP 68 Chemicals and Chemical Products

Note-In general, individual no medicinal chemical elements and compounds are classified in Class 6810. Combinations (or mixtures) of chemical compounds, or chemicals prepared in a particular vehicle (other than water) are generally classified according to use, in classes other than 6810. For example, the chemical compound DDT, is classified in 6810, whereas DDT liquid spray, the insecticide, is classified in 6840-Pest Control Agents and Disinfectants. Similarly items of supply bearing non chemical name such as BLEACH,; INSECTICIDE, ROACH; and ANTIFREEZE are generally classified according to use, in classes other than 6810, whereas corresponding chemical compounds, such as sodium hypo chlorite solution, chlordane, and ethylene glycol are classified in 6810. Excluded from this group are liquid chemicals designed exclusively for use as propellant fuels and oxidizers.

- 6810 Chemicals
Includes Naphtha Solvents; Water Softening Compounds; Tanning Materials, Natural or Synthetic; Dextrines; and Starches; Inedible Gelatins; Acetone; Propellant Chemicals, Bulb, not Specialized Solely for Guided Missile Use.
Excludes Medicinal Chemicals; Gases; Foundry Dextrines; Radiographic and Photographic Chemicals; In Vitro Diagnostic Substances and Reagents.
- 6820 Dyes
Includes Household Tints.
- 6830 Gases: compressed and Liquefied
Includes Fuel Gases.
Excludes military Chemical Gases; Medical Gases; Empty Gas Cylinders and their caps, valves, and valve spare parts.
- 6840 Pest Control Agents and Disinfectants
Includes Insect Repellents; Fungicides; Insecticides; Rodenticides; Weed Killers.
Excludes Personal Deodorants.
- 6850 Miscellaneous Chemical Specialties
Includes Antifogging Compounds; Wetting Agents; Etching and Fountain Solutions for Lithographing; Blanket Repair Solutions for Lithographing; Antifreeze.

PRODUCT CODE DESCRIPTION

GROUP 70 **Automatic Data Processing Equipment (Including Firmware),** **Software, Supplies and Support Equipment**

- 7010 ADPE System Confirmation
Note-a group of general-purpose analog, digital, or hybrid electronic or electromechanical devices that are interconnected to operate as a system. Frequently referred to as an ADP system, although the term "system: is not considered definitive. Includes as assembly analog, digital, or hybrid electronic or electromechanical devices that are interconnected to operate as a system. Frequently referred to as an ADP system, although the term "system: is not considered definitive. Includes as assembly of devices consisting of a central processing unit (CPU) and the necessary input/output devices, accessorial devices, analog measurement devices software and/or firmware required to perform the desired objectives. Also includes sub-assemblies and units in which input/out devices, CPUs and/or accessorial devices or components are incorporated into a single assembly or unit. A specially designed device incorporated into a system shall not influence the classification of the base assembly or unit.
- 7020 ADP Central Processing Unit (CPU, Computer), Analog
Note-An analog is a representation in one form of a physical condition existing in another form (e.g., the level of mercury in a tube represents temperature in a thermometer; the angular position of a needle represents speed on a speedometer). This class includes only CPUs that accept as inputs the electrical equivalent of physical conditions such as flow, temperature, pressure, angular position or voltage and perform computations by manipulating these electrical equivalents to produce results for further use.
- 7021 ADP Central Processing Unit (CPU, Computer), Digital
Note-Digital refers to the representative of discrete numbers, symbols and alphabetic characters by a predetermined, coded combination of electrical impulses. This class includes only CPUs that accept information represented by digital impulses. Specifically, a device capable of performing sequences of arithmetic and logic operations (a program) not only on data but also on the program which is contained in its internal memory (storage) without intervention of an operator.
- 7022 ADP Central Processing Unit (CPU, Computer), Hybrid
Note-Hybrid refers to a combination of analog and digital capability as defined in Classes 7020 and 7021 with conversion capability required for intercommunication.
- 7025 ADP Input/Output and Storage Devices
Note-This class includes devices used to control and transfer information to an form a Computer (as modified). The input device is used for transferring data and instructions into a computer. The output device is used to transfer results of processing by the computer to ADP peripheral devices. Input/output devices combined the above functions in the same device. This class includes printer, display units, disk drives units, terminals, data entry devices and transfer units. Also includes Optical Compact disk (CD) devices used for the storage and retrieval of data and firmware.
- 7030 ADP Software
Note-Software is a series of instructions or statements in a form acceptable to a CPU, designed to cause the ADPE configuration to execute an operation or operations; or a collection of data in a form capable of being processed and operated on by a computer.
Includes System programs, such as operating systems, assemblers, compilers, executive routines, interpreters, translator; utility programs, such as sort/merge programs, media conversion, maintenance diagnostic programs; and application programs, such as payroll, inventory control, and engineering analysis programs.

PRODUCT CODE DESCRIPTION

Excludes Software designed to Government specifications to satisfy the requirements of a particular user or for use with ADPE properly classifiable in an FSG other than FSG 70. Also excludes operating manuals and programmers' manus properly classified in FSG 76.

7035 ADP Support Equipment

Note-This class includes various devices and associated control units which are designed for Use in combination or conjunction with an ADPE configuration but are not part of the configuration itself. ADP support equipment includes magnetic tape testing, certifying, and cleaning equipment; disk pack testing, certifying and cleaning equipment; tape equipment, rewinders, splicers, spoolers and car reconditioners. Included in this class are complete units and components of related general purpose commercially available support equipment which are not specifically designed of use as part of system such as a weapon system, control system, digital image processing system, missile system, communication system or navigation system. Also included are support control systems and components not specially designed for use with process control such as automatic machine tool processing operations in which flow, pressure, temperature or other parameters are controlled by instrument regulations in automatic machine tool and process operations.

7040 Punched Card Equipment

Includes Collating machines, keypunch machines, tabulating machines; verifiers; reproducers; summary punches, sorters, interpreters.

Excludes Card actuated machines designed for use with an ADPE system.

7042 Mini and Micro Computer Control Devices

Includes Mini or micro computers used as control mechanisms where computer technology is essential in controlling, monitoring, measuring and directing processes, devices instruments or other equipment.

Excludes Mini and micro computers control devices which are designed specifically for use in and/or integral to higher order systems, e.g., aircraft fire control systems, numerically controlled machine tools, sequence controlled printing equipment, motion measuring instruments, office information system equipment, and the like.

7045 ADP Supplies

Note-This class includes ADP tape seal bands, reels and hubs, carrying cases, canisters, and the like. Also includes all nonrecorded magnetic recording media designed to be used with ADP equipment, such as magnetic tape, removable disk packs, magnetic cards, cassettes, and diskettes. Also includes Optical Disks used for the storage of data.

7050 ADP Components

Note-This class includes ADP Component Assemblies that are part of analog, digital or hybrid data processing devices. Excluded from the class are items for which more specific classifications are suitable. The FSC structure and indexes will govern the classification of those items permitted classification in a single class only.

GROUP 71 Furniture

7105 Household Furniture

Includes Bedsprings, Open Style (All-metallic); Folding chairs; Camp Furniture; Mirrors, Wall Mounting and Furniture Types; Smoking Stands.

Excludes Hospital Beds and Bedsprings; Ash Trays; Mattresses; Bedsprings, Box Style (Fabric Covered).

7110 Office Furniture

Includes Filing Cabinets; Safes; Post Office Furniture; School Furniture; Blackboards.

PRODUCT CODE DESCRIPTION

Excludes Dental X-Ray Film Protective Safes; Visible Record Equipment.

7125 Cabinets, Lockers, Bins and Shelving
Includes Kitchen Cabinets; Sectional Shelving
Excludes Foot Lockers; Filing Cabinets.

7195 Miscellaneous Furniture and Fixtures
Includes Stone, Clay, and Concrete Furniture; Auditorium and Theater Furniture; Library Furniture; Cashier Stands.

GROUP 72 **Household and Commercial Furnishings and Appliances**

7210 Household Furnishings
Includes Household Furnishings of Textiles, Plastics, Paper, Rubber, and other materials; Sheets, Pillows, blankets, and other Bedding; Insect Bars; Tablecloths; Towels; Steamer Rugs; Mattresses; Bedsprings, Box style (fabric Covered); Bedspring and Mattress Sets; Wall Art.
Excludes Floor Coverings; Curtains; Draperies; Paper Napkins; Paper Doilies; Bedsprings, Open Style (All-Metallic).

7220 Floor Coverings
Includes Linoleum; Rubber and Asphalt Tile; Carpets; Rugs; Rug Pads.
Excludes Vehicular Floor Mats.

7230 Draperies, Awnings, and Shades
Includes Curtains; Specialized Hardware and Fittings for Curtains, Draperies, Venetian Blinds, and Window Shades.

7240 Household and Commercial Utility Containers
Includes Refuse Cans; Sprinkling Cans; Clothes Hampers; Household Basket; Fabric Utility Containers.

7290 Miscellaneous Household and Commercial Furnishings and Appliances
Includes Fireplace Sets; Vases and Urns; Household Sewing Machines; hair dryers.

GROUP 73 **Food Preparation and Serving Equipment**

7310 Food Cooking, Baking, and Serving Equipment
Note-This class includes warming and/or chilling equipment used for the display and serving of food.
Includes Warming and/or Chilling Tables, Stationary and Portable; Serving carts; Field and Mobile Baking Ovens; Toasters; Waffle Irons; Grills; Coffee Pot; Coffee Maker; Microwave; Special Aircraft, Marine, and Railway Type Food Cooking Equipment; Utensils with Integral Heating Units; Cafeteria Type Display Cases and Showcases; Soda Fountains; Milk, Soda, and/or Ice Cream Dispensers; Cold Food Counters; Combination Heated-Refrigerated Food Serving Equipment; Carbonators; and other types of refrigerated food serving and display equipment commonly used in cafeterias, mess hall kitchens, and the like.

PRODUCT CODE DESCRIPTION

- Excludes Carts other than Serving; Commissary or Food Store Type Refrigeration Equipment; Commercial Household, or Professional and Scientific Refrigerators; Drinking Fountains: (see Class 4110 for items excluded from Class 7310).
- 7320 Kitchen Equipment and Appliances
Includes Dishwashing Machines; Food Slicing Machines; Food Mixers; Utility Carts Specially Designed for use in Kitchen and Dining Area.
Excludes Sinks; Serving Carts (see Class 7310 for Food Serving Carts).
- 7330 Kitchen Hand Tools and Utensils
Includes Pots; Pans; Can Openers; Graters; Food Mashers; Cleavers; Vacuum Bottles and Jugs.
Excludes Utensils with Integral Heating Units; Knives; Forks; Spoons.
- 7340 Cutlery and Flatware
Includes Knives; Forks; Spoons; Hunting Knives.
- 7350 Tableware
Includes China and Earthenware; Glassware; Paper Plates and Cups.
- 7360 Sets, Kits, Outfits and Modules, Food Preparation and Serving

GROUP 74

Office Machines, Text Processing Systems and Visible Record Equipment

- 7420 Accounting and Calculating Machines
Includes Accounting and adding machines and electronic calculators.
Excludes Punched card system machines; Machines or devices that can be applied to a variety of problems by the internal execution of a series of instructions, not limited to specific keystroke functions, but controlled by a general purpose data processing language.
- 7430 Typewriters and Office Type Composing Machines
Includes Typewriters and office type composing machines with built-in electric/electronic functions such as margins, headings, tabs, centering and related actions.
Excludes Typewriters and office type composing machines which are designed primarily for use as a component of an ADPE system or that are user programmable, and that can be applied to a variety of applications by the internal execution of a series of instructions, no limited to specific keystroke functions, but controlled by some form of general purpose data processing language.
- 7435 Office Information System Equipment
Includes Minicomputer and microcomputer controlled systems specifically designed for user programmable processing of the office information application; Connected peripheral equipment; Automatic repetitive typewriters; Text editing typewriters and video display text editing typewriters.
Excludes General purpose ADPE which is designed primarily to be applied through the internal executions of a series of instructions, not limited to specific keystroke functions, but controlled by a general purpose data processing language, to process a variety of applications such as financial management, logistics, scientific, communications, and the like.
- 7450 Office Type Sound Recording and Reproducing Machines
Includes Dictating Machines; Transcribing Machines; Combination Dictation and Transcribing Machines.

PRODUCT CODE DESCRIPTION

Excludes Communication Type Sound Recording and Reproducing Machines.

7460 Visible Record Equipment
Includes Manually operated and power operated visibly record equipment; visible index files, rotary and stationary; specially designed components, such as Wire and Bar Pockets, Cover Plates, Stop Wires, and Channel Stops; Control Boards; Binder Racks; devices and systems designed to automatically store and retrieve hard copy documents. For those microform automatic retrieval systems that contain an integral viewer or view/printer, see Class 6730.

7490 Miscellaneous Office Machines
Includes Addressing Machines; Check Handling Machines; Coin Counting Machines; Mailing Machines, Currency Handling Machines.
Excludes Pencil Sharpeners; Staplers, Office Type; Duplicating Equipment.

GROUP 75 **Office Supplies and Devices**

7510 Office Supplies
Includes Crayons; Erasers; File Holders; Writing Ink; Printing Ink; Paper Fasteners; Pencils; Penholders and Pen Points; Rulers, Office Type; Art Supplies; Tape, Pressure Sensitive Adhesive.
Excludes Office Devices; Fountain Pens; Artists' Brushes; Paper Stationery; Record Forms; Mechanical Pencils.

7520 Office Devices and Accessories
Includes Copyholders; Fountain Pens and Pen Desk Sets; Pencil Sharpeners; Paper Punches; Staples, Office Type; Artists' Accessories, such as Easels, Airbrushes; Slide Rules.

7530 Stationery and Record Forms
Includes Business Forms; Record Books; Surveyors' Computations Forms; Electric Accounting Machine (EAM) Cards; Forms approved for use within individual government activities.
Excludes Standard forms approved for government-wide use.

7540 Standard Forms
Includes Only those standard forms approved for government-wide use by the government activities empowered to do so (such as the U.S. Bureau of the Budget and the U.S. General Accounting Office, and similar organizations in other NATO countries).
Excludes Forms approved for use within individual government activities.

GROUP 76 **Books, Maps, and Other Publications**

7610 Books and Pamphlets
Includes Technical and Non Technical Books and Pamphlets; Regulations; Instruction Manuals; Technical Orders.
Excludes Sheet and Book Music; Periodicals; Bibles.

7630 Newspapers and Periodicals

7640 Maps, Atlases, Charts, and Globes
Excludes Training Aid Maps

7641 Aeronautical Maps, Charts and Geodetic Products

PRODUCT CODE DESCRIPTION

- 7642 Hydrographic Maps, Charts and Geodetic Products
- 7643 Topographic Maps, Charts and Geodetic Products
- 7644 Digital Maps, Charts and Geodetic Products
- 7650 Drawings and Specifications
Includes Federal, Military, and Departmental Specifications.
- 7660 Sheet and Book Music
Excludes Hymnbooks.
- 7670 Microfilm, Processed
- 7690 Miscellaneous Printed Matter
Includes Decals; Printed Posters; Printed Labels.
Excludes Sheet and Book Music.

GROUP 77

Musical Instruments, Phonographs, and Home-Type Radios

- 7710 Musical Instruments
Note-This class includes only complete musical instruments. Assemblies, parts, attachments, or accessories for use in or on musical instruments are classified in classes other than this class.
Excludes Phonographs; Radios; Television Sets.
- 7720 Musical Instrument Parts and Accessories
Includes Instrument Cases; Music Stands; Tuning Forks.
- 7730 Phonographs, Radios, and Television Sets: Home Type
Note-This class includes only complete home-type phonographs, complete home-type radios, and complete home-type television sets, to include DVDs, VCRs, TV/VCR Combo, and players. End items, assemblies, parts, attachments, or accessories for use in or on the above are classified in classes other than this class.
Includes Combination Sets.
Excludes Coin Operated Phonographs; Wire and Tape Recorders.
- 7740 Phonograph Records
Excludes Training Aid Records.

GROUP 78

Recreational and Athletic Equipment

- 7810 Athletic and Sporting Equipment
Includes Baseball Equipment; Basketballs; Boxing Gloves; Fencing Masks; Fishing Tackle, except Commercial; Handballs; Shin Guards, Hockey; Golf Equipment; Golf Accessories; Bowling Equipment.
Excludes Athletic and Sports Clothing.
- 7820 Games, Toys, and Wheeled Goods

PRODUCT CODE DESCRIPTION

Includes Baby Carriages; Checkers; Doll Carriages; Dolls; Playing Cards; Velocipedes; Handicraft Kits, not elsewhere classifiable. Bingo Supplies.

- 7830 Recreational and Gymnastic Equipment
Includes Slides; Swings; Amusement Park and Shooting Gallery Equipment; Play Yard and Playground Equipment; Billiard and Pool Tables and Equipment; Gymnasium Equipment.

GROUP 79 **Cleaning Equipment and Supplies**

- 7910 Floor Polishers and Vacuum Cleaning Equipment
Includes Domestic and Industrial Vacuum Cleaning Equipment; Carpet Sweepers.
Excludes Self-propelled and Trailer Mounted Vacuum Cleaners.
- 7920 Brooms, Brushes, Mops, and Sponges
Includes Squeegees; Whisk Brooms.
Excludes Hair Brushes; Toothbrushes; Paint and Artists' Brushes.
- 7930 Cleaning and Polishing Compounds and Preparations
Includes Scouring Powders; Washing Compounds; Detergents; Non Toilet Soaps; Automobile and Household Polishes and Waxes.
Excludes Shaving Soap; Toilet Soap; Abrasive Polishing Compounds; Metal Finishing Abrasives; Surgical Detergents.

GROUP 80 **Brushes, Paints, Sealers, and Adhesives**

- 8010 Paints, Dopes, Varnishes, and Related Products
Includes Water Paints; Oil Paints and Latex; Driers; Paint Primers; Lacquers; Paint Sealers; Pigments for Coloring; Stains; Turpentine; Paint Removers.
Excludes Acetone, Wood and Wall Fillers.
- 8020 Paint and Artists' Brushes
Excludes Airbrushes.
- 8030 Preservative and Sealing Compounds
Includes Fire Resistant Compounds; Water Resistant Compounds; Weather Resistant Compounds; Belt Dressing; Anti-seize Compounds; Calking and Glazing Compounds; Putties; Wood and Metal Fillers.
Excludes Food Preservative Compounds.
- 8040 Adhesives
Includes Glue; Mucilage; Sizes; Adhesive Cements.

GROUP 81 **Containers, Packaging, and Packing Supplies**

Note- A chest, case, box, roll, bag, or other container, when specifically, designed for housing of a set, kit, outfit, or individual item (with or without attachments or spares), for its protection when not in use, or for the convenience of the user, is classified in the same class as the item or items for which designed, or in such other class as is appropriate. However, when the chest, case, box, roll, bag, or other container is primarily a shipping container, it is classified in Group 81.

PRODUCT CODE DESCRIPTION

- 8105 Bags and Sacks
Includes Shipping and Protective Envelopes; Liners for Bags and Sacks; Textile and Paper Laminated Shipping Bags; Closures for Bags and Sacks.
- 8110 Drums and Cans
Includes Barrels; Kegs; Shipping and Storage Pails; Collapsible Tubes; Mailing and Filing Tubes; Closures for Drums and Cans.
- 8115 Boxes, Cartons, and Crates
Includes Shoes Boxes; Beer Cases; Pill Boxes; Piano Cases; Engine Boxes; Bombsight Boxes.
Excludes Special Boxes, packages, and containers designed primarily for shipping, storage, and handling of ammunition, nuclear ordnance, explosives, guided missiles, military chemical agents; and repairable/reusable containers specially designed for specialized equipment such as the "Shipping and Storage Container" for components of aircraft, space vehicles, automotive vehicles, ships, ground communication equipment.
- 8120 Commercial and Industrial Gas Cylinders
Note-This class includes empty commercial and industrial gas cylinders and their caps, valves, and valve spare parts.
Excludes Filled gas cylinders and items related to gaseous and liquefied gaseous dispensing systems, both mobile and installed. All components of installed gas dispensing systems are classified by "application" or "function" with the end equipment for which designed.
- 8125 Bottles and Jars
Includes Shipping Jugs and Carboys; Ampoules.
- 8130 Reels and Spools
- 8135 Packaging and Packing Bulk Materials
Includes Wrapping Paper; Moisture Vapor Barrier Paper; Excelsior; Wadding for Packing; Corrugated Paper; Baling Bands, Baling Ties; Shipping Tags; Gummed Paper Tape; Separators; Box Liners; Packaging Staples; Baling Wire; Preformed Cushioning Inserts.
Excludes Adhesives; Aluminum Foil other than for food handling and processing.
- 8145 Specialized Shipping and Storage Containers
Note- This class includes only reusable and repairable containers specially designed for shipping and storage of specialized equipment; i.e., shipping and storage containers for components of aircraft, space vehicles, automotive vehicles, ships, ground communication equipment, etc.
Includes Specially designed components (not elsewhere classifiable) peculiar to special shipping and storage containers as delimited under this class.
Excludes General purpose containers; specially designed containers for ammunition, nuclear ordnance, explosives, military chemical agents and guided missile components. Excluded from this class are items for which more specific classifications are suitable. The FSC Indexes and Structure will govern the classification of those items permitted classification in a single class only.

GROUP 83

Textiles, Leather, Furs, Apparel and Shoe Findings, Tents and Flags

- 8305 Textile Fabrics
Note-This class includes only textiles in bulk. Excluded from this class are items that are precut or preformed, thus limiting their usefulness to specific applications. Such items are

PRODUCT CODE DESCRIPTION

classified in the same class as the item or items for which designed, or in such other class as is appropriate.

Includes Canvas Materials; Plastic Fabrics; Felt Materials; Netting, Plastic and Textile; Oilcloth; Textile Scrap.

Excludes Carpeting.

8310 Yarn and Thread

8315 Notions and Apparel Findings

Includes Buttons; Dressmakers' Pins; Needles; Shoulder Pads; Embroideries; Stamped Art Goods for Embroidery and Art Needlework; Hair Nets; Sewing Kits.

Excludes Yarn; Thread; General Purpose Buckles.

8320 Padding and Stuffing Materials

Includes Feathers and Downs, Processed; Spanish Moss, Processed; Cotton Wadding and Batting; Kapok.

Excludes Feathers and Downs, Unprocessed.

8325 Fur Materials

Note-This class includes only fur materials in bulk. Excluded from this class are items that are precut or preformed, thus limiting their usefulness to specific applications. Such items are classified in the same class as the item or items for which designed, or in such other class as is appropriate.

Includes Crosses; Sacs; Fur Plates; Fur Mats.

8330 Leather

Includes Garment Leather; Patent Leather; Glove Leather; Shoe Leather; Upholstery Leather; Industrial Leather.

Excludes Belting; Shoe Findings.

8335 Shoe Findings and Soling Materials

Includes Counters; Taps; Shoe Laces; Lasts and Last Sole Patterns; Ornamental Shoe Buckles and Bows.

8340 Tents and Tarpaulins

Note- Fitted covers which are specifically designed for use on or with specific individual types of equipment are excluded from this class and are to be classified in the same classes as the items for which they are designed, or in such other classes as are appropriate.

Includes Tent Pins; Tent Poles; Multiple purpose covers of woven or unwoven fabrics, not for permanent installation.

8345 Flags and Pennants

Includes Signaling Flags; Flagstaffs; Signal Shapes; Flagpoles; Flagstaff Trucks; Speed Cones; Flagstaff Belts; Semaphore Flags.

GROUP 84

Clothing, Individual Equipment, and Insignia

Note-Where applicable, clothing items which are intended for use by both men and women are classified in the appropriate "men's" class.

8405 Outerwear, Men's

PRODUCT CODE DESCRIPTION

Includes Uniforms, Military and Nonmilitary; Civilian Outerwear; Headwear; Work Clothing (Ordinary Non safety); Shirts; Trousers; Coats.

Excludes Items included in other classes such as Special Purpose Clothing; Helmets, Steel and Plastic; Safety Clothing; Hand wear; Footwear.

8410 Outerwear, Women's

Includes Uniforms, Military and Nonmilitary; Civilian Outerwear; Headwear; Work Clothing (Ordinary Non safety); Shirts; Skirts; Blouses.

Excludes Items included in other classes such as Special Purpose Clothing; Helmets, Steel and Plastic; Safety Clothing; Hand wear; Footwear.

8415 Clothing, Special Purpose

Note-This class includes conventional winter, summer, and intermediate flight clothing ensembles and their components. Excluded from this class are specialized anti exposure, antigravity, partial pressure, and full pressure, flight ensembles and their specialized components.

Includes Special Purpose Headwear, including Helmets, except Ballistic Protective; Safety and Protective Clothing; Safety, Combat, Protective, and Work Gloves; Submarine Deck Exposure Clothing; Flight Clothing Components designed for use with both Specialized and Conventional Ensembles.

Excludes Sporting and Athletic Gloves; Athletic Footwear; Safety Footwear; Personal Armor; Special Hospital and Surgical Clothing. Excludes special purpose clothing wherein the primary purpose is ballistic resistant protection. This class will include common use components of both ballistic and conventional end items.

8420 Underwear and Nightwear, Men's

8425 Underwear and Nightwear, Women's

Includes Corsets; Girdles

8430 Footwear, Men's

Includes Rubber Footwear; Athletic Footwear; Safety Footwear; Submarine Deck Exposure Footwear.

8435 Footwear, Women's

Includes Rubber Footwear; Athletic Footwear; Safety Footwear.

8440 Hosiery, Hand wear, and Clothing Accessories, Men's

Includes handkerchiefs; Suspenders; Garters; Belts; Dress Hand wear; Leggings, Non safety Type.

8445 Hosiery, Hand wear, and Clothing Accessories, Women's

Includes Handkerchiefs; Garters; Belts; Neckerchiefs; Handbags; Dress Hand wear; Leggings, Non safety Type.

8450 Children's and Infants' Apparel and Accessories

Includes Footwear; Outerwear; Headwear; Hand wear; Underwear; Nightwear.

8455 Badges and Insignia

Note-This class includes only items worn or carried on the person.

Excludes Non personal Insignia

8460 Luggage

Includes Foot Lockers; Brief Cases; Trunks; Suitcases.

Excludes Duffel Bags; Musette Bags

PRODUCT CODE DESCRIPTION

- 8465 Individual Equipment
Includes Musette Bags; Duffel Bags; Ammunition Belts; Pistol Belts; Handcuffs; Pack boards; Sleeping Bags; Knapsacks; Hikers' Packs; Sunglasses; Skis; Snowshoes; Swords with Scabbards.
Excludes Toilet Articles; Mess Gear; Fabric Utility Containers.

GROUP 85 Toiletries

Note- Excluded from this group are medicated cosmetics and toiletries that have been determined to be drugs in accordance with the Federal Food, Drug, and Cosmetic Act. For medicated cosmetics and toiletries, see Class 6508.

- 8510 Perfumes, Toilet Preparations, and Powders
Includes Colognes; Cosmetics; Deodorants; Depilatories; Toilet Waters.
- 8520 Toilet Soap, Shaving Preparations, and Dentifrices
Includes Toothpaste; Shaving Soap.
Excludes Medicated Soaps.
- 8523 Moisture Towlettes
- 8525 Iron/Ironing Board
- 8530 Personal Toiletry Articles
Includes Hair Brushes; Nail Brushes; Nail Files; Toothbrushes; Manicure and Pedicure Implements; Razors and Blades.
Excludes Dental Floss.
- 8540 Toiletry Paper Products
Includes Facial Tissues; Paper Toilet Seat Covers; Toilet Paper; Paper Napkins; Doilies.
Excludes Towel Dispensers; Paper Plates and Cups.

GROUP 87 Agricultural Supplies

- 8710 Forage and Feed
Includes Hay; Manufactured Feed; Straw; Zoological Animal Food.
- 8720 Fertilizers
Includes Natural and Synthetic Fertilizers; Peat Moss; Animal Manures.
- 8730 Seeds and Landscaping Stakes
Includes Cut Flowers.

GROUP 88 Live Animals

- 8820 Live Animals, Not Raised for Food

PRODUCT CODE DESCRIPTION

GROUP 89 Subsistence

Note- Subsistence items which are specifically prepared for dietetic use are classified in Class 8940. Non dietetic foods, even though they bear the same approved item names as corresponding dietetic foods, are classified in Classes other than 8940.

- 8905 Meat, Poultry, and Fish
Includes Game Birds; Shellfish; Sausage Casings.
- 8910 Dairy Foods and Eggs
Includes Ice Cream; Frozen Custards; Ice Cream Mixes; Rennet; Milk Sherbets; Ices.
- 8915 Fruits and Vegetables
Includes Baked Beans; Juices.
- 8920 Bakery and Cereal Products
Includes Flour; Prepared Flour; Prepared Cereals; Macaroni.
- 8925 Sugar, Confectionery, and Nuts
Includes Candy; Chewing Gum; Honey; Maple Syrup.
- 8930 Jams, Jellies, and Preserves
- 8935 Soups and Bouillons
- 8940 Special Dietary Foods and Food Specialty Preparations
Includes Infant Foods; Potato Chips; Prepared Pie and Cake Fillings.
- 8945 Food, Oils and Fats
- 8950 Condiments and Related Products
Includes Salad Dressings; Spices; Seasonings; Flavoring Extracts; Yeast; Olives.
- 8955 Coffee, Tea, and Cocoa
Includes Postum; Yerba Mate; Chicory.
- 8960 Beverages, Non alcoholic
Includes Soft Drinks; Ice.
- 8965 Beverages, Alcoholic
Includes Beer; Whisky; Wine; Liqueur.
Excludes Sacramental Wine and Medicinal grade Brandy, Whisky, and Wine.
- 8970 Composite Food Packages
Includes Ration Packs and Emergency Rations; Care Packages.
- 8975 Tobacco Products
Includes Snuff; Cigarettes; Cigars.

GROUP 91 Fuels, Lubricants, Oils, and Waxes

- 9110 Fuels, Solid
Includes Ration Heating Tablets; Cordwood; Charcoal; Briquettes; Coke.

PRODUCT CODE DESCRIPTION

Excludes Peat.

- 9130 Liquid Propellants and Fuels, Petroleum Base
Note-This class includes liquid propellants with more than 50 percent or higher petroleum content.
Includes All Aviation Gasoline; JP-1,3,5 and 5 Jet Fuel; Combat Vehicle and Automotive Gasoline (all types and grades); Liquid Propellants, Bulk; Liquid Propellants, predetermined to specific quantity and quality, packaged in reusable containers.
Excludes Solid Propellants; Liquid Propellants, encased in consumable containers, for insertion into missile propulsion systems as integral parts.
- 9135 Liquid Propellant Fuels and Oxidizers, Chemical Base
Note- this class includes liquid propellants with more than 50 percent or higher chemical content.
Includes Liquid chemicals designed exclusively for use as propellant fuels and oxidizers; Liquid Propellants, Bulk; Liquid Propellants, Predetermined to specific quantity and quality, packaged in reusable containers.
Excludes Multiple-use chemicals, such as Nitrogen, Technical; Ammonia, Technical; Furfural Alcohol, Technical; Aniline, Technical; Solid Propellants; Liquid Propellants, encased in consumable containers, for insertion into missile propulsion systems as integral parts.
- 9140 Fuel Oils
Includes Light Burner Fuels; Diesel Fuels; Kerosene; Military Specification Type Residuals; Special and Heavy Grade Turbine Vessel Propulsion Fuels; Federal Specification Heavy Burner Fuels; Bunker "C" Commercial Grade Fuel; Heavy Fuel and other Black (Boiler Type) Fuels; Illuminating Oils.
- 9150 Oils and Greases: Cutting, Lubrication, and Hydraulic
Includes Petrolatum, except USP.
Excludes Rust Preventive Compounds; Anti seizing Compounds; Petrolatum, USP.
- 9160 Miscellaneous Waxes, Oils, and Fats
Includes Animal, Vegetable, and Petroleum Waxes; Wool Grease (Lanolin); Tallow; Marine Oils; Coconut Oil; Soap Stock; Essential Oils, except USP or NF grades.
Excludes Edible Fats and Oils; Household and Automobile Waxes.

GROUP 93 **Nonmetallic Fabricated Materials**

- 9310 Paper and Paperboard
Includes Book Paper Stock; Newsprint; Paperboard; Bulk Paper Materials.
Excludes Corrugated Paper; Wrapping Paper; Building Board; Insulating Board; Stationery; Construction Paper; Paper Towels; Facial Tissues; Blank Books; Containers; Shipping and Identification Tag
- 9340 Glass Fabricated Materials
Includes Glass Rods, Bars, and Tubing; Optical Glass Blanks; Structural and Building Glass; Glass Blocks.
Excludes Insulators (FSC 5970); Fiber Optics (FSCs 6015) and 6615).
- 9390 Miscellaneous Fabricated Nonmetallic Materials
Includes Cork Fabricated Basic Materials; Asbestos Fabricated Materials; Manufactured Mica; Minerals for scientific and technical use (cut but not mounted); Pottery Supplies; Catgut and Worm gut; Vegetable Brush Fibers; Bagasse.

PRODUCT CODE DESCRIPTION

GROUP 95 **Metal Bars, Sheets, and Shapes**

9505 Wire, Non-electrical

Note-This class contains bulk material only. Specially designed items should be placed in a more appropriate class. Wire is a thin, flexible, continuous length of metal, usually of circular cross-section.

Includes Bulk Non-electrical Wire

Excludes Wire having electrical resistivity or conductivity rating (FSC 6145)

GROUP 99 **Miscellaneous**

9905 Signs, Advertising Displays, and Identification Plates

Includes Electric Signs; Sign Boards; Lapel Pins; Display Stands; Mannequins and other display forms; Printed Signs; General Purpose Identification Tags and Blanks, Nonpersonal; Plates and Tags for specific applications. Banners, Travel Show Displays, Promotional Items.

9910 Jewelry

Includes Jewelers' Findings; Precious Stones, Cut; Costume Jewelry; Natural Gems and Ornamental Stones, Cut.

Excludes Watches; Clocks; Tableware; Scientific Instruments; Toilet Articles; Smokers' Articles; Industrial Diamonds.

9915 Collectors' and/or Historical Items

Includes Antiques; Artifacts; Coins; Stamps; Rare Books; Works of Art, Collectors and/or Historical Gems; Jewelry, and Cut Precious Stones; Natural History Items.

9920 Smokers' Articles and Matches

Includes Cigarette Lighters; Lighter Fluid; Pip Reamers; Ash Trays; Tobacco Humidors; Packaged Cigarette Paper.

Excludes Ash receivers and lighters specifically designed for installation in or on equipment.

9925 Ecclesiastical Equipment, Furnishings, and Supplies

Includes Vestments; Altars; Communion Sets; Ecclesiastical Candelabra; Chalice; Patens; Altar Cloths; Ecclesiastical Statuary; Sacramental Wine.

9930 Memorials; Cemeterial and Mortuary Equipment and Supplies

Includes Grave Markers; Burial Vaults; Burial Urns; Caskets; Burial Boxes; Morticians' Supplies; Monuments; Gasket Shipping Cases.

Excludes Hearses; Mortuary Refrigerators.